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SAN FRANCISCO FIRE DEPARTMENT



DOCUMENTS

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ANNUAL REPORT 1974 • 75







Honorable
JOSEPH L. ALIOTO
MAYOR
F I R E C O M M I S S I O N



Honorable
FRANK HUNT
Commissioner

Honorable
MORRIS BERNSTEIN
President

Honorable
RUDY THAM
Vice President



RAYMOND G. CONNORS, JR.
Secretary



SAN FRANCISCO FIRE DEPARTMENT



KEITH P. CALDEN
CHIEF OF DEPARTMENT



JOSEPH P. DALY
DEPUTY CHIEF OF DEPARTMENT

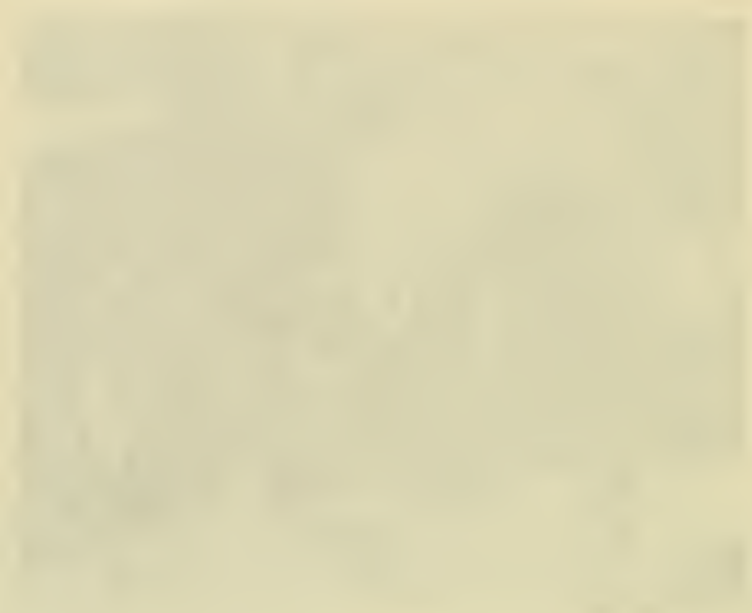
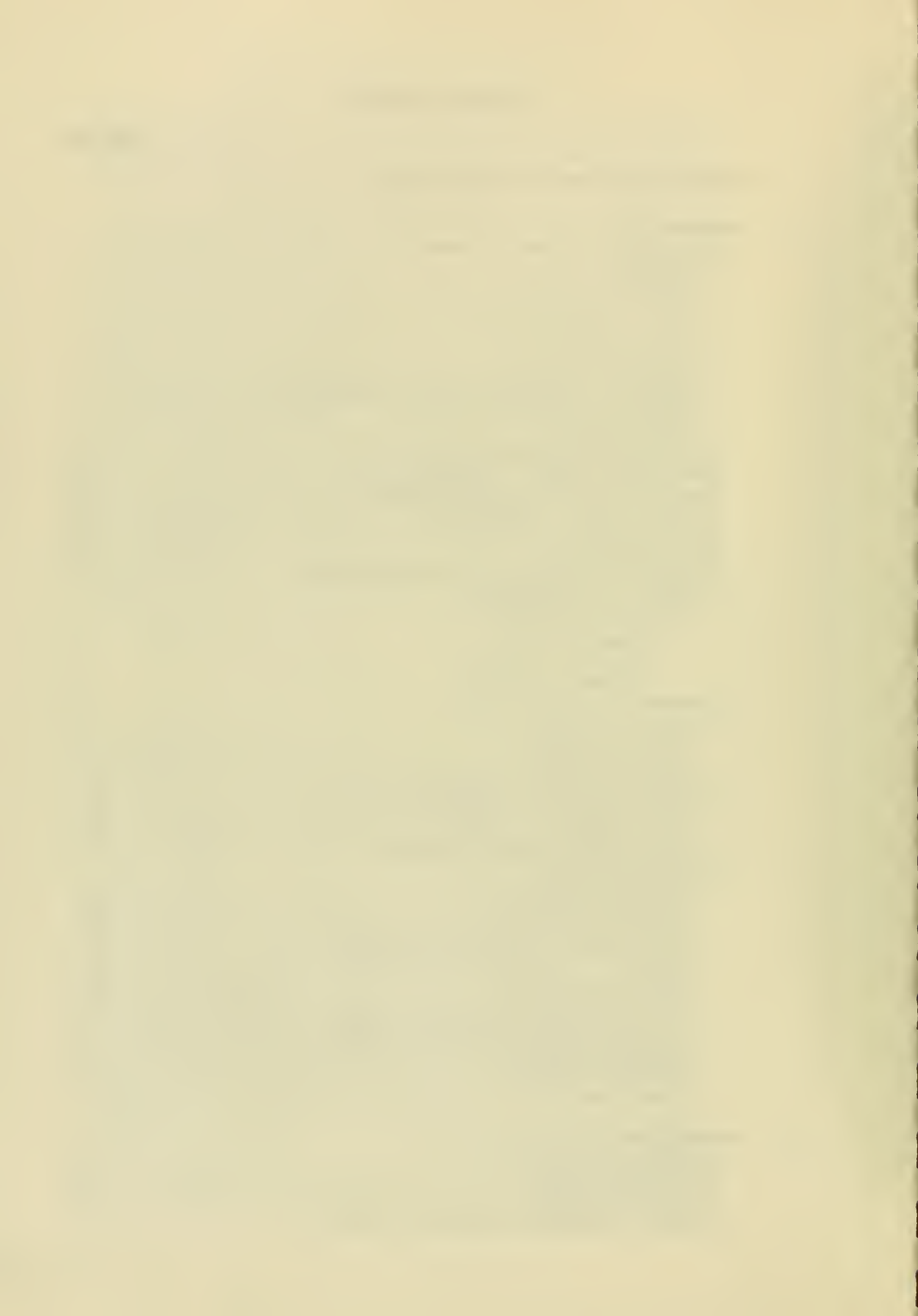


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**CHIEF OF
DEPARTMENT
KEITH P. CALDEN**



SAN FRANCISCO FIRE DEPARTMENT



OFFICE
CHIEF OF DEPARTMENT

260 GOLDEN GATE AVE
SAN FRANCISCO, CA. 941

September 10, 1975

Honorable President and
Members of the Fire Commission
San Francisco Fire Department
260 Golden Gate Avenue
San Francisco, California 94102

Gentlemen:

It is a pleasure to submit herewith the Annual Report of the San Francisco Fire Department for the Fiscal Year 1974-75. This report is forwarded in accordance with the provisions of Section 3.501 of the Charter of the City and County of San Francisco.


A comprehensive summary of the department's activities is provided by narrative and statistical review. Included are general details of plans that have been put into effect and the results of numerous cooperative efforts by Fire Department personnel. In this regard, members continued to sustain an outstanding reputation for efficiency and courageous performance of duty.

Total fires increased by 813 over the previous fiscal year. Of major concern in this category is the proliferation of hazardous dry grass fires that accounted for 521 or two-thirds of the total increase. An approach to this latter problem of lessening dry grass fires, which often result in serious injuries to firefighters and expensive damage to equipment, is being attempted. This involves assistance from the City Attorney and various city departments. Mention is made of the latter because the majority of grass fires occur on City and County property.

Arson, a rising national phenomenon, has increased during the past ten years but a downward trend is beginning to develop in San Francisco. Analysis indicates that this may be attributed to new detection techniques being used by the San Francisco Fire Department.

I wish to express my sincere thanks to your Honorable Commission, to the Mayor, to the Board of Supervisors and to other officials for their cooperation. Appreciation is also extended to public spirited citizens, civic organizations, the press, radio and television for their support and interest.

Respectfully,


Keith P. Calden
Chief of Department

ADMINISTRATION



CHIEF STAFF OFFICERS

SAN FRANCISCO FIRE DEPARTMENT

Specialized Auxiliary Service
Headquarters
260 Golden Gate Avenue

Bureau of Administration Andrew C. Casper - Secretary to Chief of Department	Room 225
Division of Fire Prevention and Investigation Emmet D. Condon - Assistant Chief of Department	Room 327
Division of Planning and Research Rene A. Gautier - Assistant Chief of Department	Room 210
Division of Public Education and Internal Control Frank P. Sangiacomo - Assistant Chief of Department	Room 309
Bureau of Assignments Anthony V. Brain - Battalion Chief	Room 208
Office of Emergency Services (Fire Reserve) Stephen B. Cronin - Battalion Chief (Fire Coordinator) Lawrence L. Paris - Battalion Chief	Room 210

Division of Training Richard A. Galli - Assistant Chief of Department	2310 Folsom Street
--	--------------------

STAFF OFFICERS

Bureau of Equipment Clayton B. Frazee - Captain	909 Tennessee Street
Bureau of Communications Eugene G. Calamoneri - Captain	1003 Turk Street
Bureau of Community Relations Earl Cage - Director	Headquarters - Room 309

NON-UNIFORM

Secretary - Fire Commission Raymond G. Connors	Room 204
Bureau - Engineering & Water Supply Gilbert G. Bendix - Superintendent	Room 219
Physician - Department Victor P. Bonfilio, M.D.	Room 307

PERSONNEL

Employments

The total number of authorized employments for the Fire Department totaled 1,837 for the fiscal year 1974-75. This was an increase of four (4) above 1973-74. The total Fire Department authorized employments for 1974-75 is detailed as follows:

<u>UNIFORMED FORCE</u>	<u>NON-UNIFORMED FORCE</u> <u>Headquarters Office</u>
1 Chief of Department	3 Member, Fire Commission
1 Deputy Chief of Department	1 Secretary - Fire Commission
1 Secretary to Chief of Department	1 Physician (Part Time)
16 Assistant Chief of Department	1 Principal Accountant
45 Battalion Chief	1 Accountant
86 Captain	1 Principal Clerk Stenographer
228 Lieutenant	1 Senior Payroll & Personnel Clerk
58 Chief's Operator	2 Payroll Clerk
1291 Firemen	2 Senior Clerk Stenographer
3 Pilot-Fireboat	1 Clerk Stenographer
4 Marine Engineer-Fireboat	2 Senior Clerk Typist
2 Captain-Bur.Fire Prevention	3 Clerk Typist
4 Lieutenant-Bur.Fire Prevention	1 Fire Protection Engineer
33 Inspector-Bur.Fire Prevention	
1 Lieutenant-Bur.Fire Invest.	20 Total - Headquarters Office
7 Investigator-Bur.Fire Invest.	<u>Bur.Engineer & Water Supply</u>
1781 Total - Uniform Force - 96.952%	1 Supt. Bur. Water Supply
	1 Foreman-Bur. Water Supply
	1 Sub-Foreman-Bur.Water Supply
	2 Chief Stationary Engineer
	6 Stationary Engineer
	1 Stationary Engineer (Relief)
	6 Jr. Stationary Engineer
	1 Jr. Stationary Engineer (Relief)
	14 Utility Plumber
	3 General Laborer
	36 Total - Bur. Engineer & Water Supply
	56 Total - Non-Uniform - 3.048%

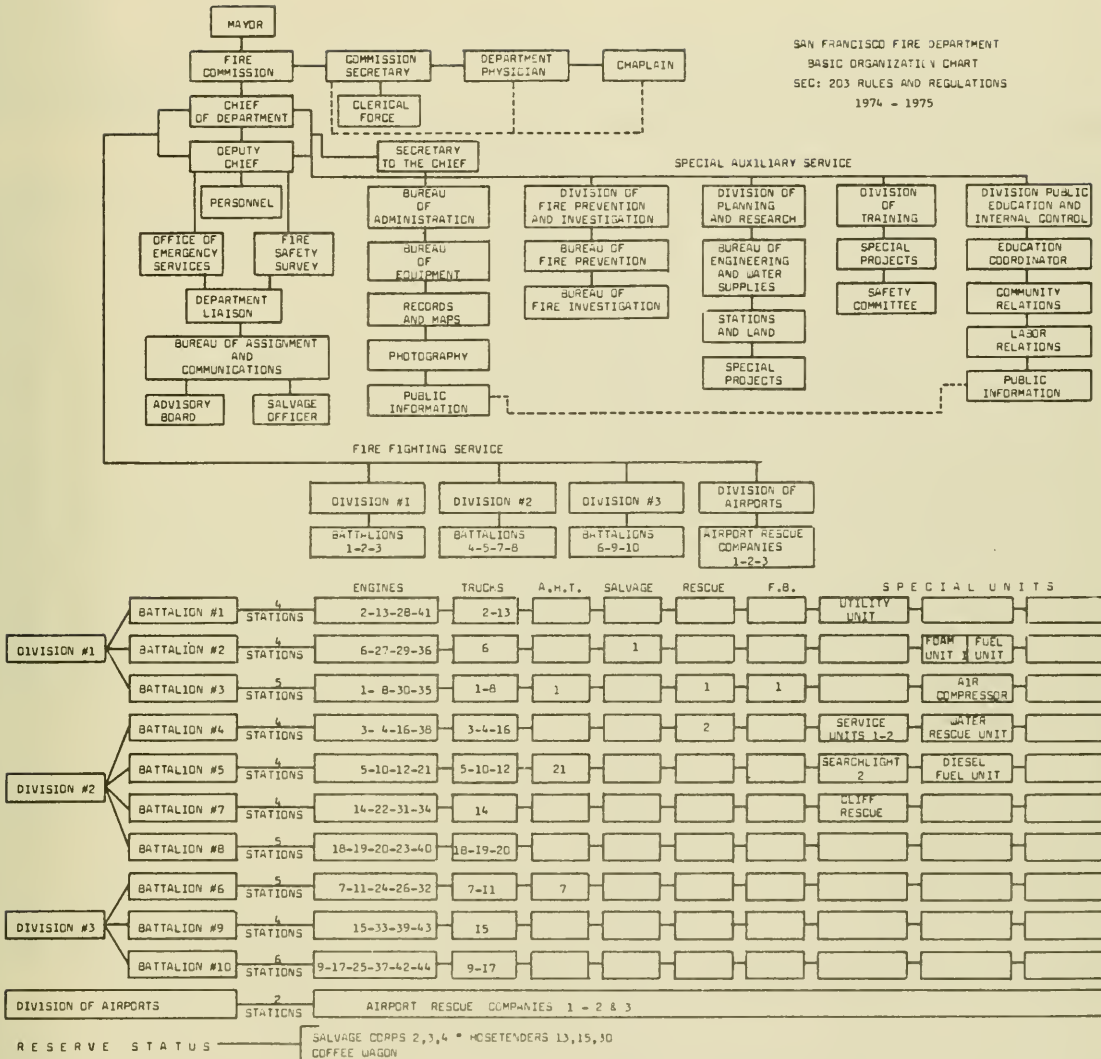
TOTAL EMPLOYMENTS

July 1, 1974

1,837

Specific Assignments of these employments are detailed on the authorized personnel assignment chart.

SAN FRANCISCO FIRE DEPARTMENT
BASIC ORGANIZATIONAL CHART
SEC: 203 RULES AND REGULATIONS
1974 - 1975



FIRE FIGHTING SERVICE

NOT-UNIFORMED FORCE

[illegible]



PERSONNEL

On February 24, 1975, Commissioner Morris Bernstein was designated President of the Fire Commission. During his progressive eleven year tenure on the Commission, this is the second time he has accepted the responsibility of the presidency. Three other terms were served as vice-president.

Reverend Joseph A. O'Connell was appointed Chaplain, representing Department members of the Catholic faith, by the Fire Commission July 1, 1974. This appointment was a replacement brought about by the transfer of Reverend Charles J. Durkin to another city in California.

A permanent appointment to the position of Department Physician occurred on November 6, 1974 when Doctor Victor P. Bonfilio was sworn in by the Fire Commission. Doctor Bonfilio had previously acted in a temporary capacity during an interim period that began October 17, 1973.

The H-2 Firemen's entry level list was activated January 21, 1974 by judicial order, after more than two years of litigation in Federal Court. Since that time 278 new firefighters have been appointed lowering the vacancy number to five in this category at the close of the fiscal year. Also, an additional five vacancies, attributed to Lump Sum Sick Payments (L.S.S.P.), existed at this time. The L.S.S.P. vacancies could not be filled because of occurrence prior to the adoption of Ordinance 544-74 which became effective December 30, 1974. This ordinance provides for immediate appointment whether or not a retired member receives a payment for accumulated sick leave.

FISCAL

Budget - Personnel Services

Under provisions of Section 8.405, City Charter, the salaries of the uniformed force of the Department are authorized by the Board of Supervisors. The salary range is based upon survey and certification by the Civil Service Commission of the highest paid firefighters and police officers in California cities of 100,000 or more population. This section produced a salary adjustment of 10.606 per cent commencing July 1, 1974.

Increased retirement benefits resulted in the passage of a Charter revision approved by the voters on November 5, 1974. Higher fringe contributions have since been required.

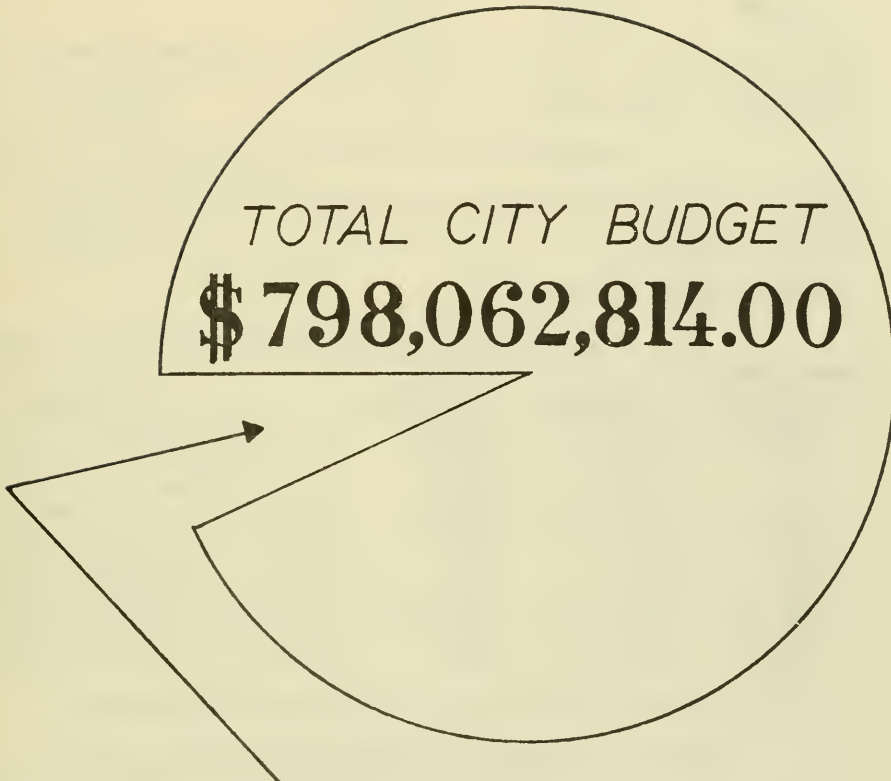
	<u>1973-74</u>	<u>1974-75</u>	<u>Increase</u>
Budget Estimate	\$30,885,071	\$34,665,718	\$3,780,647
Budget Expended*	\$30,843,631	\$34,641,475	\$3,797,844

(*)

Ordinance 150-74, final passage on March 18, 1974, allows "Like Work - Like Pay" for the first full watch worked at a higher classification. Necessary funding in this account during fiscal year 1974-75 totaled the following:

Original Amount	\$ 55,303
Supplemental Appropriation	67,000
Transfer of Funds	781

Expended	\$123,084
----------------	-----------



TOTAL CITY BUDGET
\$798,062,814.00

FIRE DEPARTMENT
BUDGET
\$51,053,139.00

FIRE DEPARTMENT
PERCENTAGE OF
TOTAL CITY BUDGET

6.40%

Budget - Data

During fiscal year 1974-75, budget allowances and expenditures compared to fiscal year 1973-74 for the Fire Department were as follows:

	<u>1973-74</u>	<u>1974-75</u>	<u>Increase</u>
Budget Allowances -	\$46,208,039	\$51,053,139	\$4,845,100
Expenditures -	\$45,336,371	\$50,711,352	\$5,374,981

Expenditure categories and percentages are as follows:

Personal services and related fringe benefits.	\$49,082,645	96.79%
Equipment.....	426,812	.84%
Other.....	<u>1,201,895</u>	<u>2.37%</u>

Total. \$50,711,352 100.00%

Budget Recapitulation of Allowances and Expenditures:

<u>Description</u>	<u>Allowance</u>	<u>Expended</u>	<u>Expenditures (over)/under</u>
Personnel Salary & Wages.....	\$34,665,718	\$34,641,475	\$ 24,243
Contractual Services.....	869,588	883,569	(13,981)
Local Fares - Airport.....	875	905	(30)
Materials & Supplies.....	235,250	235,250	-0-
Equipment.....	427,010	426,812	198
Buildings Structures & Improv.	10,000	-0-	10,000
Fixed Charges.....	226	226	-0-
Meritorious Awards.....	4,375	4,100	275
Fringe Benefits.....	14,798,341	14,441,170	357,171
Services of other departments.	41,256	77,345	(36,089)
Revolving Fund.....	<u>500</u>	<u>500</u>	<u>-0-</u>

* Total Budget 1974-1975 \$51,053,139 \$50,711,352 \$ 341,787

* Note - Federal Revenue Sharing of \$1,000,000 included in total which was expended for salaries.

Department Revenues:

Estimated revenues and amounts collected during fiscal year 1974-1975 were as follows:

<u>Account</u>	<u>Description</u>	<u>Estimated</u>	<u>Collected</u>
7166	Posting Fees	\$ 2,000	\$ 1,670
7167	Original Filing Fees	3,000	2,976
7188	Minor Damages (Note 1)	10,000	6,266
7189	Miscellaneous Service (Copy Service Charges)	2,500	4,611
7192	Roof and Salvage Covers	<u>3,000</u>	<u>6,730</u>
	<u>Totals (Note 2)</u>	<u>\$ 20,500</u>	<u>\$ 22,253</u>

Note 1. \$10,770 of additional collections were allowed the Fire Department for repairs of damaged hydrants and automotive equipment - as per Section 11.7 of the Annual Appropriation Ordinance.

Note 2. Total collected for account includes amounts collected by the Fire Department and other departments.

S.F.F.D.

Salary RangeUniformed Force

July 1, 1974-75

Chief of Department	\$ 1,717.70	bi-weekly
Deputy Chief of Department	1,445.52	"
Assistant Chief of Department	1,173.33	"
Secretary to Chief of Department	1,137.47	"
Battalion Chief	1,015.63	"
Captain	846.90	"
Lieutenant	741.15	"
Chief's Operator	695.17	"
Captain, Bureau of Fire Prevention & Public Safety	956.78	"
Lieutenant, Bureau of Fire Prevention & Public Safety	837.70	"
Lieutenant, Bureau of Fire Invest- igation	837.70	"
Investigator, Bureau of Fire Investigation	764.60	"
Ivspector, Bureau of Fire Prevention & Public Safety	764.60	"
Pilot & Marine Engineer, Fireboat	846.90	"
Fireman - 1st year	614.71	"
Fireman - 2nd year	621.61	"
Fireman - 3rd year	630.80	"
Fireman - 4th year	637.70	"

Non - Uniformed Force

Fire Commissioner	\$ 100.00	per month
Secretary - Fire Commission	707.00	bi-weekly
Physician (Part Time)	799.50	bi-weekly
Superintendent - Water Supply System	1,008.00	bi-weekly
Foreman - Water Supply System	12.81	per hour
Sub-foreman - Water Supply System	12.25	per hour
Chief Stationary Engineer	9.525	per hour
Stationary Engineer	7.81	per hour
Junior Stationary Engineer	6.286	per hour
Utility Plumber	11.14	per hour
Laborer	5.535	per hour
Principal Accountant	614.00	bi-weekly
Accountant	465.00	bi-weekly
Senior Payroll and Personnel Clerk	430.00	bi-weekly
Principal Clerk Stenographer	430.00	bi-weekly
Senior Clerk Stenographer	393.00	bi-weekly
Payroll and Personnel Clerk	393.00	bi-weekly
Senior Clerk Typist	351.00	bi-weekly
Clerk Typist	320.00	bi-weekly

PROMOTIONS - UNIFORMED FORCE

The following promotions were made in the various uniformed ranks of the Department during the fiscal year 1974-1975:

<u>Rank</u>	<u>Effective Date</u>
<u>Battalion Chief (C. S. H-40)</u>	
Thomas M. Healy (Temporary)*	September 26, 1974
Edward M. O'Donnell (Temporary)*	October 23, 1974
Frank Rende (Temporary)*	March 27, 1975
John Moreno (Temporary)*	April 23, 1975
<u>Captain (C. S. H-30)</u>	
Ernest H. Hohndorf (Temporary)*	October 23, 1974
Elliott Kamler	October 26, 1974
James K. Graham	December 25, 1974
<u>Lieutenant (C. S. H-20)</u>	
John V. McCarthy	August 26, 1974
Frank Carozzi	September 3, 1974
Gregory W. Abell (Temporary)*	October 23, 1974
John Thomas Ricketts	October 26, 1974
John G. Mandas	November 4, 1974
James J. Lang (Temporary)*	November 12, 1974
Michael A. Sullivan	December 11, 1974
Arthur W. Kenney	December 25, 1974
James C. Berry (Appointed June 30, 1975)	July 1, 1975
Robert A. Bergeron (Appointed June 30, 1975)	July 1, 1975
<u>Chief's Operator (C. S. H-10)</u>	
John T. Sweeney	August 26, 1974
Frank R. Treanor	September 7, 1974
Frederick E. Leidecker	September 18, 1974
Wayne L. Lile	December 11, 1974
<u>Lieutenant - Fire Prevention (C. S. H-22)</u>	
Nick P. Katches (Temporary)*	November 12, 1974
<u>Inspector - Fire Prevention (C. S. H-4)</u>	
Walter F. Baine	July 1, 1974
William C. O'Brien	July 1, 1974
Thomas P. Tobin (Temporary)*	November 12, 1974
Albert Wirdzak (Appointed June 30, 1975)	July 1, 1975
David A. Sarber (Appointed June 30, 1975)	July 1, 1975
Donald O. Cofer (Appointed June 30, 1975)	July 1, 1975

Pilot of Fireboats (C. S. H-120)

William E. Gilliken

Effective Date

July 1, 1974

Marine Engineer of Fireboats (C. S. H-110)

Dennis J. Kennedy

February 18, 1974

Firemen (C. S. H-2)

Appointed July 29, 1974:

James M. Ahern
Michael O'Callaghan
Stephen Freeman
Jerry Dixon
Robert L. Demmons
Paul J. Tabacco
Joseph D. Driscoll
Kenneth Cereghino
Richard Pogre
Robert J. Maher
Henry L. Raney
Ray W. Zanini
Barry J. Comerford
James L. Favero
Raymond Balzarini, Jr.
James R. Hentz
James Novello
Mark J. Johnson
Gary Plimley
John Farrell
Gary Montague
James A. Barden
Gary S. Leal
Jay E. Calman
Stanford Almirol
James A. Dunson, Jr.
James Quinones
Joseph M. Wilson
Donald V. Welcher, Jr.
Edward A. Liggins, Jr.
John Caravajal
Luther Johnson
Willard Smith
Darryl Dair
Robert Muniz
Richard A. Robinson

William Landivar
Philip Leanio
Jimmie Braden
Damien M. Gomez
Kerrigan Dangerfield

Appointed October 15, 1974:

Douglas W. Richmond
Daniel M. O'Donnell
John P. Hunter
James S. Rohrs
Michael Mullaney
Matthew V. Plescia
Dennis M. Owen
Jim Weese
Anthony M. Russo
Alfred Quartaroli
Kenneth H. Owen
Steven P. Jones
Louis F. Tacciocco
Ted James Mares
Truman McKinney
Larry Sinigiani
Raymond E. Dito
Daniel M. Garibaldi
Larry Sozzi
Michael P. Horan
Stephen O'Neill
Edward H. O'Donnell
Michael J. Cunnie
William F. Serafini
Michael Kearney
Steven Lipson
John Vander Vennett
Gregory B. Wyman

Fireman (C. S. H-2)

Thomas J. Kurpinsky
Russell N. Lewin
Joe R. Carlomagno
Ricky L. Gloistein
Raymond T. Foley
Brian D. Kearney
Thomas E. Kazarian
John R. Bonnici
James A. Murphy
Gary Alexander
Eugene M. Ahern, Jr.
James O'Sullivan
John O'Leary
Thomas E. Alger
Thomas Villafuerte
Clarence Woods

Appointed December 9, 1974:

Daniel John Curran
William Eugene Long
Michael Samuel Braida
Richard Lee Lauer
Thomas Anthony Belforte
Stephen Andrew Moore
Michael R. Attard
Michael James Pera
Charles Lawrence Schafer
Charles Anthony Eckberg
Paul Francis Kurpinsky
Fred Joseph Fegan
Kenneth Steven Lundie
Peter Samuel Seckols
Michael S. Koomas
Barry Lloyd Potthoff
Ronald Emilio Apostoli
Craig Lewis Brown
Michael Alan Mulesky
Richard Dean Pasquinelli
Michael Francis Drake
Christopher Allen Gargano
Stephen A. Martin
John Joseph Murray
Donald Thomas Gerhardt
Michael Dixon Lavelle
Leslie Kenneth Mulhair
Daniel John Biagini

Gerald K. Hickman
Thomas P. Gibson
Bernard D. Gibson
John Barden
Richard Allen Kosta
John Patrick O'Shea
Anthony R. Stefani
Gary Steven Barisone
Mario Steven Ballard
Frank Joseph Lucier
Thomas James Bradley
Fred Louis Calonica, Jr.
Michael Joseph Morris
Steven Hilton Hill
Danny Foley
Thomas R. Martin
Bruce Anthony Navarret
John Michael Chapman
James R. McDonagh
Robert E. Kehoe

Appointed April 7, 1975:

Mark S. Donnelly
James M. Connors
Donald J. Crivello
Daniel R. Jacobsmeyer
James D. Isola
Allan R. Paul
Kenneth R. Jones
Patrick E. Crane
Philip S. Kelber
James K. Maloney
Robert F. Lamey
Stephen V. Lee
William J. Lafferty
Frank T. Cardinale
Reid K. Sheridan
David Dryden
William H. Downing

TOTAL APPOINTMENTS - UNIFORMED FORCEPermanent

Captain	2	Firemen	150
Lieutenant	8	Pilot of Fire Boat	1
Inspector	5	Marine Engineer of Fire Boat	1
Chief's Operator	4		

PROBATIONARY CIVILIAN APPOINTMENTSEffective Date1444 Clerk Stenographer

Carol Casper

April 7, 1975

7514 - General Laborer

Raymond Butler

January 13, 1975

UNIFORMED FORCE TERMINATIONS

<u>Rank</u>	<u>Date</u>	<u>Name</u>	<u>Cause</u>
<u>Battalion Chief</u>	9/1/74	Charles M. Dykes	Service
<u>Captain</u>	8/16/74	Michael J. Collins	Disability
	11/21/74	Joseph T. Rende	Disability
<u>Lieutenant</u>	7/3/74	Gerard Flaherty	Service
	7/14/74	Robert L. Kittler	Service
	7/23/74	Charles Pulizzano	Service
	9/24/74	James J. Kelly	Disability
	10/15/74	Walter Sanford	Service
<u>Chief's Operator</u>	7/15/74	Clyde C. Carstenson	Disability
<u>Firemen</u>	7/3/74	Richard M. Webb	Service
	7/6/74	Mario Caravario	Disability
	7/7/74	John Palu	Service
	7/8/74	Joseph T. Curley	Disability
	7/8/74	Raymond J. Conroy	Disability
	7/14/74	Stanley Liljeblad	Service
	7/16/74	Edward J. Cunnane	Service
	8/17/74	Alfred Claussen	Disability
	8/21/74	Harold T. Hawkins	Service
	8/24/74	Nicholas Bogdanoff	Disability
	8/29/74	Leon M. Chevalier	Disability
	9/10/74	Frank D. Connelly	Service
	9/19/74	Raymond D. Young	Service

UNIFORMED FORCE TERMINATIONS (Cont.)

<u>Rank</u>	<u>Date</u>	<u>Name</u>	<u>Cause</u>
Firemen	9/20/74	Richard W. Ellien	Disability
	10/31/74	Gordon L. Heinz	Service
	11/13/74	Alfred Boccone	Disability
	12/ 4/74	John M. Church	Service
	12/ 8/74	John L. Hoffman	Disability
	2/ 6/75	James A. Costello	Disability
	2/11/75	Allen M. Bishop	Service
	2/21/75	Maynard Aitken	Service
	2/21/75	Elmer J. Lyons	Service
	2/27/75	George D. Brown	Disability
	2/27/75	James W. Sheehy	Service
	4/17/75	Robert T. Roddick	Disability
	4/30/75	Walter F. Junge	Disability
	5/12/75	Albert G. Groth	Service

TOTAL UNIFORMED FORCE TERMINATIONS

Retirement (Service)	19
Retirement (Disability)	17
Dismissals	6
Resignations	3
Deaths	2

FORCE TERMINATIONS
OTHER THAN UNIFORMED PERSONNEL

<u>Position</u>	<u>Date</u>	<u>Name</u>	<u>Cause</u>
7388 Utility Plumber	7/ 2/74	Louis Brenizer	Disability
1444 Clerk Steno.	11/15/74	Shirley Remmert	Resigned

DISCIPLINARY ACTIONJuly 9, 1974

Fireman James Atkinson, suspended for 2 days for violation of Rules and Regulations, Section 3925 - Failure to Report for Duty.

August 27, 1974

Fireman Michael Helgeson suspended for 2 days for violation of Rules and Regulations, Section 3948 - Personal Appearance.

October 15, 1974

Fireman Richard A. Cappa, suspended for 60 days for violation of Rules and Regulations, Section 3917 - Unauthorized Absence from Stations; Section 3938 - Unauthorized Details of Members and Filing a False Report.

October 15, 1974

Fireman Earl G. Stewart, suspended for 60 days for violation of Rules and Regulations, Section 3917 - Unauthorized Absence from Stations; Section 3938 - Unauthorized Details of Members; Section 3922 - Disobedience, and Section 3923 - Insubordination.

October 29, 1974

Fireman Emmit N. Jackson, suspended for 4 days for violation of Rules and Regulations, Section 3925 - Tardiness, Failure to Report.

November 4, 1974

Utility Plumber Francis J. Gojny, for 2 days for violations of Rules and Regulations, Section 4101-02, Procedure Guide (Failure to Report an Accident).

November 19, 1974

Stationary Engineer John L. Shumpert, suspended for 3 days for violation of Rules and Regulations, Section 3925 - Tardiness, Failure to Report.

December 2, 1974

Fireman Henry L. Manning suspended for 4 days, for violation of Rules and Regulations, Section 3925 - Tardiness, Failure to Report.

December 13, 1974

Fireman Ruben A. Moten, suspended for 2 days for violation of Rules and Regulations, Section 3925 - Tardiness, Failure to Report.

December 13, 1974

Fireman Billy E. Garrett, suspended for 2 days for violation of Rules and Regulations, Section 3925 - Tardiness, Failure to Report.

March 27, 1975

Fireman Richard W. P. Ford, suspended for 2 days for violation of Rules and Regulations, Section 3925 - Tardiness, Failure to Report.

May 6, 1975

Fireman Wayne Knutsen, suspended for 10 days for violation of Rules and Regulations, Section 3925 - Tardiness, Failure to Report.

May 12, 1975

Fireman John M. Dea, suspended for 30 days for violation of Rules and Regulations, Section 1402-Fireman (Unfamiliarity with Rules and Orders); Section 3905 - Unfamiliarity with Rules; Section 3915 - Incompetency; Section 3921 - Inaptitude for Duty.

May 29, 1975

Fireman Walter D. Batiste, suspended for 2 days for violation of Rules and Regulations, Section 3925 - Failure to Report.

June 3, 1975

Fireman Gerald Curran, suspended for 2 days for violation of Rules and Regulations, Section 3925 - Tardiness, Failure to Report.

June 4, 1975

Fireman Joseph E. Morrison, suspended for 4 days for violation of Rules and Regulations, Section 3922 - Disobedience; Section 3923 - Insubordination.

June 17, 1975

Lieutenant Eugene D. Hoaglund, suspended for 4 days for violation of Rules and Regulations, Section 3807(a) - Sick Leave; Section 3922 - Disobedience.

BUREAU OF ASSIGNMENTS AND
COMMUNICATIONS

Bureau of Assignments

The Bureau of Assignments has the authority for constantly maintaining adequate personnel to insure the most efficient operation of department apparatus and equipment. This authority is delegated to the Battalion Chief, Bureau of Assignments and Communications, and officers assigned to this Bureau by the Chief of Department through the Deputy Chief.

The following is a brief outline of some of the more exacting operations performed:

1. Compilation of Division Strength Reports.
2. Estimation of manpower availability on a three (3) day forecast in order to provide a daily on-duty compliment of between 409 and 444 firefighters.
3. Working out-of-classification assignments on a daily, weekly and monthly basis.
4. Daily membership reports.
5. Allocation of vacation periods for 1,837 employees.

Bureau of Communications

Functions of the Bureau of Communications are supervised and co-ordinated by a Captain, under the functional supervision of the Battalion Chief, Bureau of Assignments and Communications.

The duties of the bureau are performed by two Lieutenants and three radio operators per shift. These duties are divided into three main functions:

As a Dispatch Center: Where all alarms and other emergency calls are received and evaluated. Necessary men, equipment and other apparatus are then dispatched to the incident and also to the back-up support locations. The Dispatch Center processed a total of 31,854 alarms during the fiscal year of 1974-75.

As a Communication Center: Where all radio communications between firefighting units and the Dispatch Center are performed. A communications van is also dispatched from this Center to all greater alarms and other emergencies to act as a Command Post.

As an Information Center: Where a complete library of hazardous materials and chemicals are kept along with the locations of special tools and equipment and keys that may be needed for emergency operations.

COMMAND AND CONTROL

The Department is now seventeen months into the installation contract for the Command and Control System.

To date, one-half of the dual set of computers has been delivered, factory tested and approved. Software and programming are approximately 80 % complete. The Wall Display has been factory tested, approved and shipped to the contractor's office in San Francisco. The fire station equipment has been factory tested, approved and forty of these units have been delivered and are undergoing tests in the various stations.

An award has been made to William McIntosh and Son for the remodeling of Central Fire Alarm Station. Completion of the remodeling is scheduled for early November.

It is anticipated that the System will be installed and be in a test mode by early 1976.

BUREAU OF EQUIPMENT

During the fiscal year 1974-1975, the Bureau received more than 15,000 requests for equipment repairs, oxygen supplies, extinguisher exchanges and other services. Approximately 75 % of these required additional calls to other city departments for processing.

During the past year, the Bureau has continued its Driver Evaluation and Operational program. In order to keep pace with improvements in Fire Department apparatus, a more sophisticated background is required prior to being certified for emergency response driving.

The Bureau conducts annual pump tests and participates in high pressure tests. Also, it assists the Division of Training and the Division of Planning and Research on special projects; evaluates suggestions submitted by the Advisory Board; attends Oral Boards and pump operator evaluation tests for neighboring communities.

During week-ends and hours when Central Shop is closed, the members of the Bureau handle emergency repairs to apparatus and equipment.

The Bureau responds to all greater alarms and accidents involving Fire Department equipment, and provides emergency tow service for other city departments when requested.

Apparatus Status

The following equipment is in service and in reserve for the San Francisco Fire Department.

BUREAU OF EQUIPMENT



Newest Apparatus Replaces the Old

At the Division of Training on March 4, 1975, the very newest in firefighting apparatus was displayed along with the battle weary equipment it replaced. One veteran vehicle, Water Tower #1, served San Francisco for more than 70 years.

The new look presents an 85 foot Snorkel elevated platform and three Attack Hosetenders, all revolutionary concepts in firefighting. An outstanding potential of the Snorkel is the ability to reach locations inaccessible to Aerial Ladders.

The Attack Hosetenders have the unique feature of being equipped with a bend-in-the-middle boom that can stretch 54 feet around obstructions to provide a hydraulic knock-out punch of 1000 gallons of water per minute through a modern nozzle. This delivery can be made to under-pier areas and on up to roof tops from almost any angle, even around corners. Some of the oldest apparatus has been retired to the Fire Department Pioneer Memorial museum. In the group, still useful apparatus will be used for the second line firefighting reserve.

By comparison of manpower utilization, this innovation of the most up-to-date equipment does away with out-dated techniques that required more personnel. The total manning for twenty-four hours, seven days a week for the old apparatus was 24 men as compared to 15 men now needed.

Apparatus Status

	<u>In Service</u>	<u>In Reserve</u>
1,000 GPM Combination pumpers, Triple Combo	8	18
1,000 GPM Combination pumpers, Triple, (Diesel).....	0	2
1,000 GPM Combination pumpers, Triple, (C.D.).....	0	1
1,250 GPM Combination pumpers, Triple, (Diesel).....	20	0
1,250 GPM Combination pumpers, Triple	13	0
1,500 GPM Combination pumpers, Triple, (Diesel).....	3	0
50 GPM Combination Mini pumpers	4	0
Aerial Ladders - 100 foot - (Diesel).....	12	0
Aerial Ladders - 100 foot	7	4
Aerial Ladders - 92 foot - (Diesel).....	0	1
Aerial Ladders - 85 foot - (Diesel).....	0	1
Snorkel - 85 foot - (Diesel).....	1	0
Air Compressor	1	0
Automobiles - Chiefs'	15	6
Automobiles - Staff	34	0
Mini Buses	3	0
Coffee Unit	0	1
FireBoat	1	0
Foam Unit	0	1
Diesel Fuel Unit	0	1
Gasoline Fuel Unit	0	1
Hi-Expansion Foam Unit	0	3
Attack Hose Tenders	3	0
Hose Tenders	0	3
Hydrant Trucks	8	0
Hydrant Trucks, (Valve Units)	14	0
Pipe Dolly, (C.D.).....	0	1
Pipe Trailer Unit, (C.D.).....	0	1
Portable Compressor, 2-Wheel Unit Trailer	1	0
Rescue Trucks	2	1
Cliff Rescue Truck	1	0
Salvage Trucks	1	3
Utility Unit	0	1
Sand Truck	0	1
Searchlight Engine	1	0
Service Squads	2	0
Tow Truck	1	0
Tractors, Aerial (Relief).....	0	2
Trucks, Auxiliary, (500 GPM).....	0	17
Trucks, Delivery	5	0
Trailers, Auxiliary (500 GPM).....	0	3
Valve Unit	1	0
Water Rescue Unit	0	1

Hose Complement

Contained in the following chart is the hose complement of the department, excluding short utility lengths, soft suctions, hydrant jumper lengths, circulators, multi-versal and house lengths. The maintaining of this record is the responsibility of the Bureau of Equipment.

Hose Complement

S.F.F.D. Hose Complement to June 30, 1975

<u>Age</u>	<u>3"</u>	<u>2-3/4"</u>	<u>1-1/2"</u>	<u>1"</u>
10 yrs. or Less	100%	69%	93%	34%
11 yrs. to 15 yrs.	0%	24%	7%	21%
Over 15 yrs.	0%	7%	0%	45%
Total	100%	100%	100%	100%
Total Footage	34,700 ft.	125,550 ft.	72,750 ft.	29,100 ft.

Total footage in Hose Complement

262,100 ft.

OFFICE OF EMERGENCY SERVICES

Fire Department personnel assigned to this office consists of two Battalion Chiefs and one Lieutenant. One Battalion Chief, assisted by the Lieutenant, serves as Fire Coordinator. The second Battalion Chief is in charge of the Fire Reserve. His duties include training the Reserve and directing them when working at greater alarms.

Emergency Services Fire Coordinator

The duties of the Fire Coordinator consist of the following:

1. Attends Disaster Council meetings, Emergency Planning meetings and workshops.
2. Meets with other emergency services of the City of San Francisco when and as necessary to establish and assist in coordination operations.
3. Provides planning, public education and orientation for building owners and managers in development of emergency operations and evacuation plans, tailored to individual occupancies, with respect to life safety and survival in office buildings, industrial buildings, hospitals, hotels, schools, etc., for such disasters as nuclear attack, fire and earthquake.
4. Maintains and inspects radiological instruments located in public shelters and replaces with recalibrated instruments when necessary.

The following is a breakdown of the principal services performed by the Fire Coordinator with the Emergency Services during the fiscal year 1974-1975:

Emergency Services Fire Coordinator

1. Shelter visits, inspection and exchange of Radef Kits...	202
2. Number of people contacted.....	674
3. People trained in use of Radiological Survey instruments.....	190
4. Meetings with management of various types of buildings, plants and businesses regarding building evacuation plans, training and orientation for such disasters as nuclear attack, fire and earthquake.....	69
5. Talks - Nuclear attack, Fire safety, Earthquake and Civil Defense procedures (Employees and occupants of buildings).....	69
6. Number of people attending and trained under Item #5...	2,730
7. Film showings.....	59

Fire Reserve

The Fire Reserve is a unit of the San Francisco Emergency Services organized to augment the San Francisco Fire Department in times of a natural disaster or hostile military action. It is supervised by a Battalion Chief of the Fire Department.

The members of the Fire Reserve are a group of dedicated citizens whose services are volunteered to the City and County of San Francisco without remuneration.

These men are a group of specially trained citizens. Training exercises are held weekly throughout the year. The Reserve also receives on the job training by observing and assisting the Fire Department at multiple alarm fires.

In the event of hostile military action, or of a natural disaster of a long duration, the Fire Reserve will be greatly expanded to assist in the safeguarding of the lives and property of our citizens. The present membership will be the nucleus of any required expansion.

Membership of the Fire Reserve, June 30, 1975: - - - - - 64

<u>Activities</u>		<u>Greater Alarms Responded to</u>	
Training Exercises	45	Total	25
Total Attendance	1,297	Total Attendance	222
Man Hours - Training ..	3,442	Man Hours - Work	592
Pumpers Used	122		

San Francisco Fire Department
Pioneer Memorial Museum

The San Francisco Fire Department Pioneer Memorial Museum was officially dedicated on October 5, 1964. It is located adjacent to the quarters of Station 10 at 655 Presidio Avenue and is open to the public daily from 1300 to 1700 hours.

During the period from July 1, 1974 to June 30, 1975, 5,460 guests visited the Museum.

Groups that have visited the Museum during the year include: Boy Scouts, Girl Scouts, Jewish Community Center, Recreation Centers, Representatives from companies and corporations, senior citizens, California Historical Society, guests from other states and foreign countries and school children who have made regular visits in connection with their studies.

COMMITTEE REPORTS

Fire Department Advisory Board

The San Francisco Fire Department Advisory Board, now in its nineteenth year of existence, continues to convey valuable suggestions from members in the field, to the Chief of Department. The department has utilized the Board to help prevent stagnation by documenting and thoroughly researching each and every item received. In this manner, concerned members help to improve department efficiency. During the past fiscal year, this Board has reviewed a total of 17 suggestions. Of these: 5 were accepted; 1 was rejected; 4 are still pending decision; 3 were tabled and 4 are still being researched by the Board.

Vehicular Accident Committee

Despite the continuous effort of the Vehicular Accident Committee, and other associated and related Fire Department members, the preventable vehicular accident rate continues to remain at an unacceptable high level. We believe that the officer in charge of any Department vehicle should take more responsibility in the proper training of his drivers, and insist that they follow all rules and regulations relative to safe driving, as well as, the practices and principles as outlined in the Driver's Manual.

For the fiscal year 1974-75, there were 175 vehicle accidents and over 70 per cent were deemed preventable. This is up five percentage points over the preventable accidents occurring in the fiscal year of 1973-74.

Vehicular Accident Committee

Although, on a percentage basis, intersection accidents have decreased slightly, an analysis of these accidents during the fiscal year 1974-75 again reveals that they are the cause of greatest concern from the safety standpoint. These are the accidents which occur while proceeding through intersections, stop-and-go signals and arterial controlled intersections when department vehicles are responding to emergencies.

Full implementation of a formal driver training course by the Bureau of Equipment in conjunction with the Division of Training has been delayed because of the large influx of probationary personnel into the Department. The responsibility for training and retraining of drivers now rests with Company officers, although the Bureau of Equipment now conducts the final examination for department personnel upon written request from the Company officer. Personnel found qualified by a representative of the Bureau of Equipment are issued a "Driver Certification" form which indicates those areas in which the tested member has qualified.

Safety Committee

The Safety Committee consists of the Chief of the Division of Training who serves as Chairman, a secretary and ten captains as staff members.

During the 1974-75 fiscal year, there were 907 lost work day (L.W.D.) injuries reported. This averaged out to 75.58 L.W.D. injuries per month compared to 63.16 L.W.D. injuries per month during the 1973-74 fiscal year. Of the total of 907 injuries which occurred, 832 returned to work as of June 30, 1975 with a total of 14,283 lost work days. During the 1973-74 fiscal year there were 9,976 lost work days. Seventy-five (75) had not returned to work as of June 30, 1975 and these lost work days were not counted in the total L.W.D.s.

A breakdown according to company classification indicates the following disability injuries and lost work days:

	<u>Disability Injuries</u>	<u>Lost Work Days</u>
Engine Companies	438	7,392
Truck Companies	250	4,134
Airport Companies	30	431
Rescue Companies	23	356

These four Company Classifications had 12,313 of the 14,283 L.W.D.s. The remainder were spread throughout other units of the Department.

Safety Committee

Two Year Comparision

1973-74 & 1974-75

<u>Month</u>	<u>Total Injuries</u>		<u>Total L.W.D.s</u>		<u>Not returned to work</u>	
	1973-74	1974-75	1973-74	1974-75	1973-74	1974-75
July	75	76	1,450	1,604	0	0
August	60	81	996	1,683	2	1
September	61	62	861	1,389	2	1
October	60	89	835	1,766	3	1
November	37	45	593	462	0	1
December	45	68	585	1,012	3	2
January	74	84	985	1,436	4	4
February	53	58	799	925	2	6
March	84	91	1,166	1,435	4	7
April	70	85	843	988	4	9
May	82	82	672	912	14	11
June	57	86	194	671	24	32
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	758	907	9,979	14,283	62	75

Occupational Safety and Health Act Committee

The Occupational Safety and Health Act (O.S.H.A.) was signed into Federal law on December 29, 1970. It's purpose is to improve job safety and health by reducing injuries, illnesses and deaths connected with working conditions. This is accomplished by strong enforcement through inspections, investigations and the issuing of citations, including penalties by Federal and State inspectors. Citations may be issued to employers and also employee supervisors.

Occupational Safety and Health Act Committee

In order to prepare for the implementation of O.S.H.A. on local government level when its enforcement became the responsibility of the State of California in early 1974, the Chief of Department designated a committee in mid-1971 to study the effect of the Act's regulations on Fire Department operations. This committee, headed by an Assistant Chief, has made many constructive recommendations that will assist in complying. Every section and item from protective clothing, helmets, breathing equipment to ladders has been reviewed and has been subject to a report.

During the past fiscal year, the California Industrial Relations Department, Division of Industrial Safety (Cal O.S.H.A.) granted the department permission to use a wooden 65 foot extension ladder through a variance. Also, caution decals were placed on all metal ladders to safeguard against electrical hazards.

Radio Committee

With the advent of the new Command and Control System for the dispatching of fire apparatus, the fire department radio system is in need of being updated. With this in mind, application has been made to the U.S. Federal Communications Commission for three Ultra-High Frequencies (U.H.F.) which are more compatible with digital application in the new Command and Control System.

A radio system was ordered from Motorola Corporation on the State White Channel frequency for use in mutual aid from and to other communities. This system is comprised of a base station console, two mobile radio units and eight portable radios.

High-Rise Program Committee

This is the fourth year of our High-Rise Inspection Program. It calls for inspection of all high-rise buildings and target hazards by Battalion Chiefs in their respective districts.

These inspections in most cases are followed by a conference with the building management. Plans are developed during these conferences so that building management and occupants will become aware of the actions they should take and their responsibilities during emergencies.

Most of the high-rise buildings are located in the downtown area or high value district. Target hazards can be found in any area of the city.

An innovation in the High-Rise Program this past fiscal year has been the showing of slide pictures in conjunction with taped recordings of high-rise and target hazard features of various structures throughout the city.

High-Rise Program Committee

A brief listing by Division will show what has been done during the last fiscal year.

	<u>HIGH-RISE INSPECTIONS</u>	<u>TARGET HAZARD INSPECTIONS</u>	<u>CONFERENCES HELD</u>
Division No. 1	30	97	24
Division No. 2	43	95	29
Division No. 3	<u>3</u>	<u>9</u>	<u>43</u>
Totals	76	201	96

BART Committee

The BART committee has continued to work closely with Bay Area Rapid Transit officials in an attempt to prepare for any emergency that may arise. The cooperation received has been excellent.

During the past year a committee representing all jurisdictions along the BART right-of-way was formed. It is called the "Bay Area Fire Department Bart Committee". The purpose is to exchange information, coordinate efforts and to meet with BART officials to solve problems that might involve fire personnel. Monthly meetings have been held since the committee's inception and after meeting with BART officials the only major issue unresolved is the precise meaning of the terminology used for "power off" confirmation. A San Francisco Fire Department General Order has been issued to cover this situation.

All incidents in San Francisco have been of a minor nature to date.

St. Francis Hook and Ladder Company Committee

Another year of volunteer service to the San Francisco Fire Department passed with the representation of the department at various musters, parades and civic functions throughout the State by the St. Francis Company.

While the Hook and Ladder Company competes in men's and women's hose cart races, bucket brigades, hand pumping contests and motorized hose lead events; it is the ladder evolutions performed by the Company that have added a new demension to these musters and parades. The highlight being when the St. Francis Company presents its trade-mark, the auditorium raise of the quarter ton, wooden, sixty-five foot extension ladder by six men.

St. Francis Hook and Ladder Company Committee

The Company has worked closely with the Pioneer Fire Memorial Museum and due to generous donations the museum has been completely revitalized and the collection increased with the assistance from the San Francisco Public Library.

As the public interest grew, the St. Francis Hook and Ladder Society was established as a non-profit California corporation. Membership is offered for the acquisition, restoration, preservation, maintenance and also for the purpose of demonstrating artifacts, memorabilia and apparatus of the San Francisco Fire Department's proud heritage.

Physical Fitness Program Committee

A weight control and physical fitness program was implemented on June 30, 1971 and continues to date. Since the inception of the program, all members of the Fire Department have been checked for height and weight by the Department Physician. The few members whose weight does not meet the Fire Department standards are counseled by the Department Physician and progress is being made toward compliance.

The exercise program consisting of two parts, (1) Warm up and (2) Conditioning has become part of a regular daily routine in the Fire Stations.

In conjunction with this program, a year around supervised sports program involving softball, basketball, touch-football, volleyball and tennis supplements the fitness program.

Firemen's Olympics Committee

The Fourth Annual Firemen's Summer Olympics were held June 18 to 21, 1975 and hosted by the Newport Beach Fire Department. Los Angeles County placed first, Los Angeles City in second place with San Francisco in third position. At these Olympics, approximately 1,500 firefighters from throughout the State competed with San Francisco taking team titles in softball, for the fourth straight year, and basketball.

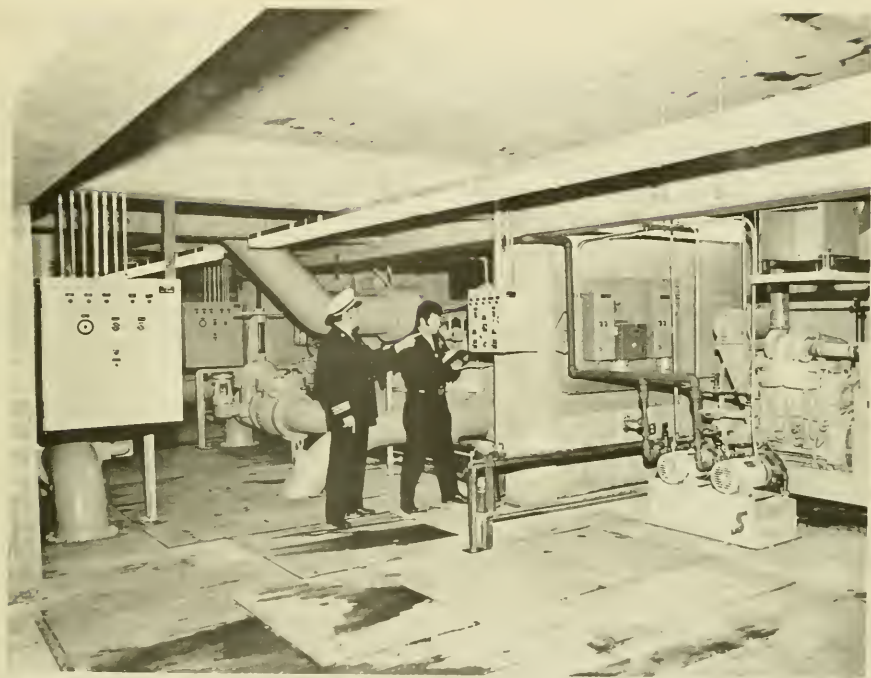
From the beginning the concept underlining the Firemen's Olympics has been physical conditioning of the finest degree for the firefighters participating. With this in mind, the fifteen members of the state-wide Board of Directors sponsor both a summer and winter Olympics. The winter event, held in February, 1975 at Mammoth Mountain in southern California, is a joint venture with the police and Sheriff's Departments of California. The six San Francisco firefighters on the Board of Directors have an important role in guiding the ever growing Olympics for both the summer and winter programs.

MISCELLANEOUS

During the fiscal year 1974-75, one hundred and eighty-three (183) letters of commendation were received relative to Department action or various emergencies. All commendations were recorded by entry in the Fire Commission Journals of Proceedings. Copies of these proceedings are sent to each station.

Contributions to the amount of \$1,217.50 were received for deposit to the Widows and Orphans Aid Association of the fire department. These contributions were given to the Secretary-Treasurer of the Association for deposit and recordation.

PLANNING AND RESEARCH



PUMPING STATION 1
(NEW DIESEL ENGINES AND SYSTEMS)

DIVISION OF PLANNING AND RESEARCH

The Division of Planning and Research performs many roles in support of the operating forces including, but not limited to station construction, station maintainance, overseer of the High Pressure System, consultant to developers of new construction regarding fire flow requirements, hydrant installation, Bond Issue initiation and subsequent administration, station furniture procurement and distribution, and Fire Department representation concerning street pattern changes and accessibility.

Construction Program

Station 13, 530 Sansome Street, will have been occupied this summer. This station, comprising 27,642 square feet of construction constitutes the largest volume station in the San Francisco Fire Department having four levels of occupancy including provision for off-street parking. The station has been relocated to its present site in order that the master plan for development of the Embarcadero Center might be realized. The complicated transaction to provide this new station was accomplished at no cost to the City or the taxpayers.

Station 3, 1067 Post Street, after initial delay, is now proceeding and the contractor estimates completion by late December, 1975. This is a steel framed structure with masonry walls and it also contains four levels of occupancy with 10,100 square feet of construction.

Station 42, 2430 San Bruno Avenue, is the first station to be reconstructed under the November, 1974, Bond Issue, and is in the final stages of design and, if approved by the Fire Commission, construction could commence in late fall. This is to be a two story Type 5 building with a partial basement. A side and rear yard will provide for a physical conditioning area and off-street parking. This will be the first fire station constructed under the guidelines of the Command and Control System and will not be provided with the bell alarm system.

The Bureau of Architecture has been requested to engage an architectural firm to design Station 4 as a completely reconstructed building. Station 8 will be the next project in the reconstruction program; the department is awaiting acquisition of some adjoining property in order to get a perspective for future work at this station. A study of Station 40 is being carried out for interior remodeling. It must be noted that no two adjacent stations will be worked on at the same time lest protection in the area be compromised.

Station Maintainance

Upkeep of stations and minor alterations are performed on a schedule based on assigned priority and as permitted by budgeted funds of the Bureau of Building Repair. Day-to-day repairs are processed by the Division of Planning and Research and forwarded to the Bureau of Building Repair; during fiscal year 1974-75, 1,148 such requests received such attention.

Capital Improvements

A Bond proposal in the amount of \$4,000,000 was prepared by this Division and subsequently approved by the electorate at the November 5, 1974 election. This will provide for remodeling of several fire stations not heretofore included in reconstruction programs; the provision of a cross-channel connection of the High Pressure System to link the upcoming new main in Third street (between Mariposa and Fourth streets) to the main at Fourth and Berry streets; and the expansion of the Command and Control Systems' administrative capabilities, plus the replacement of much of the Departments' out-dated radio equipment.

BUREAU OF ENGINEERING AND WATER SUPPLY

This Bureau, under the direction of a Senior Mechanical Engineer (Water Supply Superintendent), is responsible for the engineering and maintenance of the Auxiliary Water Supply System (High Pressure System), the maintenance of the hydrants connected to the domestic water supply system, the maintenance of fire department cisterns, the maintenance of standpipes on public and private buildings, and for day-to-day professional engineering assistance as needed by the department.

During the past year, due to additions to the Auxillary Water Supply System and changes in the City streets pattern, six (6) new high pressure hydrants were installed, one (1) was permanently removed, and fifteen (15) were relocated. Currently, there are 1,387 high pressure hydrants in service.

During this same period, fifteen (15) low pressure hydrants have been installed, eighteen (18) permanently removed and sixty-three (63) relocated. There are now 7,692 Fire Department hydrants and 223 private hydrants in service on the domestic supply.

There are 150 cisterns located throughout the City for emergency water supply; the majority of the cisterns contain 75,000 gallons each and are kept filled by the Bureau personnel.

Dry standpipes on buildings are tested by the Bureau before acceptance and after alteration or repair and are periodically serviced. In fiscal year 1974-75, thirty-eight (38) new standpipes were placed in service, eighty-four (84) permanently revoked, and ten (10) altered or repaired. Records show 2,646 such standpipes in service.

The Bureau utilizes Electronic Data Processing to improve its records on hydrant and standpipe servicing in line with the standards established by the Insurance Service Offices. These records reveal a deficiency in frequency of such servicing due, in large part, to inadequate manpower, antiquated equipment and diversion of manpower, due to BART, Redevelopment and Market Street Beautification work.

At the end of the fiscal year, a contract for the conversion of Pumping Station No. 1 from steam to diesel operation was nearing completion. This is part of the work authorized under the November, 1971, Bond Issue. A similar contract for the conversion for Pumping Station No. 2 has been awarded, and the work should begin early in the new fiscal year.

FIRE PREVENTION AND INVESTIGATION



DIVISION OF FIRE
PREVENTION AND INVESTIGATION

The first survey of all Commerical and Industrial occupancies in the city has now been completed and is ready to be entered in the Command and Control Computer System.

A total of 11,844 buildings containing 21,600 individual occupancies has been recorded and will form a data base that can be retrieved for use during emergency field operations.

A new survey will compile similar information in existing apartment houses and hotels and will also be entered in the Command and Control Computer System.

The Arson Information Retrieval System is now in the second year of development and a terminal has been installed in headquarters which permits investigators to query local, state and national criminal information systems concerning criminal incendiary investigations.

Educational programs are being expanded to reach larger numbers of citizens and public organizations. A proposed curriculum is being prepared for presentation to the Board of Education which would provide basic fire safety educational subject matter for elementary grades one through six.

BUREAU OF FIRE PREVENTION

The operations of the Bureau of Fire Prevention for the fiscal year 1974-1975 are reported in statistical form as follows:

Inspections and Corrections:

Total number of New Inspections -----	22,032
Total number of Inspections -----	39,764
Total number of Corrections Obtained ---	27,701

Of the total number of Inspections listed above, 1,304 were Special Complaints from citizens regarding suspected fire hazards, and 110 were Special Investigations of structures involved in Greater Alarms of Fire.

Permit Processing:

Fire Department Permits

Three hundred ninety-five (395) applications for Fire Department Permits were filed in this Division. Posting and filing fees collected with these applications during the fiscal year totaled \$4,556.

Building Permits

During the fiscal year, 1,792 alteration plans were checked and processed by Fire Inspectors assigned to the Bureau of Building Inspection.

Building Permits

During the fiscal year, over 472 building plans for new construction were plan checked by the Fire Inspector assigned to the Bureau of Building Inspection.

It should be noted that during January, February and March of 1975 two of these Fire Inspectors were assigned to the Yerba Buena Center Project exclusively.

Additionally, 1,391 applications for building permits, new construction and alterations, were reviewed by the inspectors of the Bureau of Fire Prevention.

Occupancy Permits

City Planning Commission -----	1
Department of Public Health -----	458
Department of Public Works -----	288
Department of Social Services -----	348
Police Department -----	241
State Fire Marshal -----	392
Grand Total	<u>1,728</u>

Miscellaneous Reports and Communications:

Seven hundred ten (710) reports from Battalion Chiefs were received concerning special building inspections, and these reports were processed for investigation and abatement of violations.

Ninety-one (91) Notices of Violation and 853 Notices of Code Violation were issued to obtain compliance with state and local safety codes.

The number of communications sent out by the Bureau of Fire Prevention during the fiscal year was 1,108.

Numerous meetings, special tests and inspections were made and attended by the officers and members of the Bureau. In addition, 236 schools were visited or inspected, 145 fire prevention lectures given, to a total attendance of 36,789 students.

Fire Prevention Corrections:

Automatic Sprinkler Heads Installed/Replaced -----	569
Automatic Sprinkler Systems Installed/Extended -----	1,421
Automatic Sprinkler Systems Repaired/Tested -----	1,148
Buildings Boarded Up -----	109
Buildings Razed -----	211
Egress, Additional Means Provided -----	55
Emergency Procedures Developed -----	53
Exit Doors, Installed or Altered -----	579
Exit Obstructions Removed -----	324
Fire Alarm Systems Installed -----	184
Fire Alarm Pull Boxes/Bells Tested -----	1,381
Fire Doors & Door Closers Installed/Repaired -----	721
Fire Escapes Installed -----	114
Fire Escapes Repaired & Drop Ladders Provided -----	140
Fire Escapes, Obstructions Removed -----	150
Fire Extinguishers & Extinguishing Systems Installed/Serviced/Tested -----	8,180
Flammable Gas & Liquid Storage -----	159
Hoses & Nozzles Installed/Renewed -----	373
Metal Bins and Covers Provided -----	350
Miscellaneous Corrections Obtained -----	2,692
Miscellaneous Fire Hazards Removed -----	721
Product of Combustion Detectors Installed/Serviced/Tested -----	1,500
Rubbish Conditions Removed -----	923
Signs and Lights Installed/Repaired (all) -----	4,535
Stairways, Installed or Enclosed -----	45
Stairways, Obstructions Removed -----	89
Stairways, Repaired -----	18
Standpipes (all) Installed/Repaired -----	957
Total Corrections	27,701

PRINCIPAL BUILDING OCCUPANCIES INSPECTED AND
IN WHICH FIRES OCCURRED

	New Insp.	Re- Insp.	Total Insp.	FIRES
Theatres -----	1,437	246	1,683	10
Public Assembly -----	3,575	2,604	6,179	154
Schools -----	766	683	1,449	118
Institutions -----	1,201	1,371	2,572	98
Hazardous -----	966	785	1,751	39

PRINCIPAL BUILDING OCCUPANCIES INSPECTED AND
IN WHICH FIRES OCCURRED

(cont.)	New <u>Insp.</u>	Re- <u>Insp.</u>	Total <u>Insp.</u>	<u>FIRES</u>
Business -----	6,154	3,860	10,014	287
Non-Hazardous -----	56	59	115	0
Residential -----	5,514	6,441	11,955	2,993
Vacant Buildings (all) -----	127	143	270	80
	<hr/>	<hr/>	<hr/>	<hr/>
Total	19,796	16,192	35,988	3,779

BUREAU OF FIRE INVESTIGATION

Field Activities:

a) Investigation of Fires:

Special Investigations -----	1,005
Follow-up Investigations -----	1,363
Incendiary Origin -----	401
Greater Alarms -----	110
Undetermined Origin -----	66
Burn Cases -----	93
Deaths -----	47

b) Arrests and Dispositions:

Felonies:

Arrests -----	13
Convictions -----	10
Cases Pending (June 30, 1975) -----	3
Acquittals -----	5

Misdemeanors:

Arrests -----	12
Convictions -----	9
Cases Pending (June 30, 1975) -----	1
Acquittals -----	3
Citations -----	3

b) Arrests and Dispositions: (cont.)

Juveniles:

Cases held under Juvenile Jurisdiction -----	18
Not Cited -----	76

c) Court Appearances and Testimony ----- 67

d) Special Complaints referred from Bureau of Fire Prevention:

Investigations -----	82
Follow-up Investigations -----	14

Office Activities:

a) Fire Records -- Compiled and Maintained ----- 31,854

b) Record Search and Copy ----- 6,847

c) \$3,235.49 was collected and deposited in the General Fund for the processing and sale of copies of Fire Reports to insurance companies and other interested parties.

FIRES - 1974-75:

Buildings -----Principal & Others-----	3,970
--	-------

Vehicles -----	1,212
----------------	-------

Boats and Ships -----	8
-----------------------	---

Wharves and Piers -----	34
-------------------------	----

Miscellaneous -----	341
---------------------	-----

Grass and Rubbish -----	3,078
-------------------------	-------

Total Fires	8,643
-------------	-------

PUBLIC EDUCATION

National Fire Prevention Week, emphasizing fire safety rules for the public, was observed from October 6th through the 12th, 1974.

Our activities in 1974 were unique in that they extended for the entire month of October in a program called Fire and Police Safety Month.

As in prior years, the fire stations and the Fire Department Pioneer Museum were open to the public during the daytime hours. Fixed displays of fire department equipment or posters concerning fire safety were exhibited at the City Hall, the Federal Building and the downtown Emporium Department Store. Apparatus demonstrations, consisting of the Snorkel, a Truck Company, an Engine Company, a Rescue Squad and the Communications Unit were conducted at the following locations: the Parkside District, 37th and Taraval and 24th and Santiago; Safeway Parking Lot, Williams and Newhall Streets; the Hyatt Union Square; the Justin Herman Plaza, foot of Market Street; 22nd and Bartlett Streets; the Stonestown Shopping Center Parking Lot; and the Aquarium at Golden Gate Park. In all cases, fire prevention literature was distributed to those viewing these exhibits by members of the fire department.

Other special events were scheduled to commemorate Fire Prevention Week and Public Safety Month. A \$2,000 check was presented to the St. Francis Hospital Burn Center by Fire Fighters Local 798, using fire-fighting equipment as a backdrop. Members of the fire department visited the crippled children at the Shriner's Hospital, conducting a Rescue Unit display outside and visiting the youngsters at bedside in fire-rescue clothing. Using the Fire Boat and the Snorkel, a drill, display and water rescue was performed at the Marina Yacht Harbor.

The local radio and television stations were most cooperative in providing coverage, and together with the newspaper media, were of great assistance in publicizing events scheduled during the month. Several public service announcements concerning fire safety were taped and broadcast by radio and television stations who donated time in which to convey our messages to the public.

Special efforts were made to visit both public and private elementary schools in the city, as well as all the senior citizens' centers, presenting programs devised for these age groups on fire prevention and safety.

In all, a total of 18 public displays were attended by an estimated 60,000 people during the month of October at various locations around the city.

As a part of Public Safety Month, a program for promoting multi-lingual fire prevention pamphlets, which was instituted last fiscal year, but held in abeyance awaiting allocation of funds, was finally realized. Through the efforts of the Fire Prevention Bureau, working with members of the Chinese Community, a Chinese-English Fire Prevention pamphlet was designed and printed in time to be handed out to adults attending the display at Portsmouth Square in Chinatown on October 23rd. At the same time, in an effort to reach an even greater number of San Francisco residents, a similar brochure is being planned for distribution to Spanish-speaking peoples.

LIAISON

Liaison:

Law Enforcement: (Federal Grant)

The project "Arson Detection and Identification" is in its second year of operation. Electronic equipment has been installed in the Bureau of Fire Investigation which ties into the National "Criminal Justice Information System". Queries can be addressed to similarly equipped law enforcement agencies in California, Nevada, Oregon and the Federal Bureau of Investigation in Washington D.C.. Response to "Hits" are received in a matter of seconds in either video form or hardcopy printouts.

Queries addressed to law enforcement centers other than those previously mentioned are directed through Phoenix, Arizona. Response in the latter instance are dependent on record search and mailing time.

Programming has been completed for entry of Arson related reports into the San Francisco Police "CABLE" (Computer Assisted Bay Area Law Enforcement) System. These records will give both the Bureau of Fire Investigation and the San Francisco Police the ability of instantaneous electronic recall in suspect fire situations. This information can also be called up by use of Mobile Police Units in the field.

Microfiche equipment has been ordered for the purpose of reducing the area presently needed for storage of past Arson and Fire Records and for ensuring integrity in those files. Manual search of past records will therefore be much faster under the microfiche filing systems. Hardcopy demands can be fulfilled with ease through a microfiche reader - printer.

PORT FIRE MARSHAL
SAN FRANCISCO PORT COMMISSION

This report summarizes in brief the operational functions of the office of the Port Fire Marshal during the fiscal year 1974-75. Major fires along the waterfront decreased dramatically in comparison to previous fiscal years. There were no major alarms to Port related properties during the fiscal year 1974-75.

During the time covered, a total of 227 alarms occurred to Port related properties. Overall fire incidents within the Port area have continued unchanged. This becomes obvious when a contrast is provided between fiscal years:

<u>Occupancies and/or Types of Fires</u>	<u>Fiscal Year</u>	
	<u>1973-74</u>	<u>1974-75</u>
Piers, wharves, pilings, stringers or super- structure	42	34
Boat and Ships	8	8
Miscellaneous fires, or responses	73	84

Further implementation of the initial recommendations found in the survey of Port Commission waterfront areas of June 1, 1973 have continued with the razing of the super-structures of Piers 22 and 41, and the installation of automatic sprinklers in the super-structure of Pier 35.

Fire Prevention activities and inspections are the most important single segment of the Port Fire Marshal's duties. Approximately 26 welding and burning permits are issued to certain contractors on a quarterly renewable basis for utility and general maintenance purposes. Other permits and certificates issued that receive on-site inspections include those for hazardous cargoes, fumigations and welding and burning permits for one-project jobs, with the permit expiring upon job completion; these permits and certificates totaling 1,196 for the fiscal year.

TRAINING



DIVISION OF TRAINING

During fiscal year 1974-1975, the Division of Training continued its function as the directional center of instruction for the Department.

Training during the year focused on the following:

1. Company Evaluations
2. Individual Evaluations
3. Instructional Sessions
4. Probationary Training

Company evaluations involve companies performing one or more drill evolutions at the training center. The type drills have been published in training bulletins distributed to stations. This concept of training places responsibility for instruction on the company officer. Written evaluations are made by Division of Training personnel and are on file. Reports of poor evaluations are sent to the Company's Battalion Commander as well as its Captain.

Individual evaluations involve members performing a number of evolutions at the training center. The evolutions have been published in a new Drill Manual which was distributed to all stations. This concept of training, places responsibility on the individual as well as the company officer. Written evaluations are made by Division of Training personnel and are posted to the individuals' records. Reports of poor performances are sent to company commanders and re-testing is scheduled.

Instruction sessions involve direct training of personnel by Fire College staff officers or specialists from either the field or outside the department. These sessions included overhauling and ventilation, use of new tools or appliances prior to their being put in service, seminars on alcoholism, control of natural gas emergencies, hazards of electricity, hazardous materials, arson, auto extrication, traffic citation orientation, BART emergency unit, courses on cardiopulmonary resuscitation, first aid, and instructor training.

Probationary training consists of an 8-week course. The course was conducted for four groups totalling 151 probationary firemen. Of the 151 new men appointed during the fiscal year 1974-1975, two men resigned and seven were terminated.

Additional responsibilities of the Division of Training included: assisting the Division of Airports in specialized training; aiding the Bureau of equipment and Bureau of Engineering and Water Supply in the testing of new equipment; budgeting, ordering and dispensing protective clothing for the fire fighting forces; assisting in the licensing of Department drivers; processing identification cards; issuing drill and training manuals and maintaining them in a current state; planning, researching, testing and evaluating drill evolutions, training courses and the instructional needs of the Department.

<u>Direct Training</u>		<u>Participating</u>
Drills and Evaluations	-	672 Company Crews
Individual Evaluations	-	785 Members
Probationary Training	-	151 New Members

Man-hours of Direct Training - 69,086

Maintenance of, and instruction in the Departmental protective breathing apparatus program is under the jurisdiction of a Technical Supervisor. Additionally, this supervisor is a specialist in emergency resuscitation and supervises instruction within the Department on both subjects. As a public service, and on request from various organizations, he also conducts a program of Public Education on Emergency Resuscitation.

Summary of Training performed by the Technical Supervisor is detailed as follows:

In-Service Fire Companies trained:

213 Companies	-	1,588 men	-	6,352 man hours
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Probationary Training (CPR and First Aid):

4 Classes	-	151 men	-	2,416 man hours
-----------	---	---------	---	-----------------

Public Education Training:

54 Lectures	-	3,943 persons	-	7,886 man hours
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There are now 51 resuscitators in service, distributed to our 44 engine companies, 2 rescue units, the Fireboat, Headquarters, Communications Center, and the Technical Supervisor. One resuscitator is held in reserve.

DIVISION PUBLIC EDUCATION AND INTERNAL CONTROL



DIVISION OF PUBLIC EDUCATION AND INTERNAL CONTROL

The Division of Public Education and Internal Control is staffed by an Assistant Chief, who heads this Division, a Director of Community Relations, a Director of Public Information, a Director of Fire League Athletic and Musical Events (F.L.A.M.E.) and such other officers and members necessary to conduct the activities of the Division.

The functions of the Division are divided into the following principal endeavors:

1. Coordinator of Education - Chief of Division

a) A two (2) year course of study in Fire Science Technology which meets the requirements for Associate in Science Degree was developed through joint efforts with City College and other agencies of San Francisco and the State of California.

b) In the interest of community needs, the San Francisco Fire Department is participating in a Conversational Spanish class that will continue into the Fall semester of 1975. This is an on the job site program utilizing the facilities of the Division of Training.

c) Emergency Medical Training Classes (I and II) are continuing programs. Certificates of achievement have been awarded to forty-eight (48) department members.

d) The Chief-Division of Public Education and Internal Control also serves as a member of the San Francisco Community College District Civil Service Advisory Committee.

2. Internal Control - Chief of Division

a) At the personal direction of the Chief of Department, maintains Internal Control in two (2) general areas, labor relations and department discipline.

b) A measure of day-to-day inquiries and grievances have been successfully settled between this level and Union representatives. In larger instances assists superiors in gathering the facts necessary to successful negotiations through the "Meet & Confer" process.

c) Reported infractions of departmental rules and regulations and Civil Laws are investigated and reported on to the Chief of Department for his determination.

3. Community Relations

The Community Relations Bureau is an integral component of the Division of Public Education and Internal Control. Innovative practices and goals are implemented to encounter and effect the necessary diversities that give reasonable assurance of successful inter-personal and community activities.

- a) Mayor's Summer Youth Employment Program - Assignment of twenty-five (25) youths to the Fire Department for eight (8) weeks proved highly successful. Through the mutual respect and cooperation of the participants and department members, many of the youths have been motivated to seek careers as San Francisco Firefighters.
- b) Youth Employment and Man power Development Training Programs - As a result of the numerous assignments to the various administrative offices the assignees have gained the experience and skills necessary to pass higher level examinations or function in more demanding positions.
- c) Affirmative Action Program - The first draft Affirmative Action Plan and statistical information has been developed for Fire Department administrative analysis and approval.

Concurrently the mechanism for an on-going recruitment program to facilitate the implementation of an approved Affirmative Action Plan has been developed. As a result of previous collective action in the direction, minority representation in the Department now numbers two hundred and sixteen (216) or 12.13 per cent of the uniform personnel.

- d) School Visitation Program - The School Visitation program continues to be a increasingly favored community relations technique. Request for the same have substantially increased over the past years.

4. Fire League Athletic and Musical Events (F.L.A.M.E.)

The past year marked the most dramatic growth in the F.L.A.M.E. Program since its inception six (6) years ago.

With the introduction of a full basketball program for girls, ages 11 through 14, F.L.A.M.E.'s sports activities now involves over 5,000 youths from this area, including basketball, soccer and baseball.

4. Fire League Athletic and Musical Events (cont.)

The past twelve (12) months also evidenced F.L.A.M.E.'s continued interest in lending its assistance to the handicapped children of Sunshine School. Many members of the Department unselfishly contributed their off duty time to this worthwhile and rewarding effort. Their active concern made F.L.A.M.E.'s work in this area a success.

The fiscal highlight of the year was the West Coast Benefit Premiere of the "Towering Inferno" in San Francisco, December 19, 1974. Over \$30,000 was raised at this event. The money will be used in further expansion of the F.L.A.M.E. Program.

5. Toy Program - San Francisco Fire Department

The Toy Program is a cooperative program shared between the Fire Department and the San Francisco Firefighters Local #798. Funds are provided by the Union and manpower and job site requisites are contributed by the Department Administration and Firefighter volunteers. This is in conjunction with the Christmas Toy Chest and is shared with the United States Marine Corp and the Salvation Army.

This venture is an effort by members within the department where by skills and enthusiasm are recruited with rewarding effect. Toys are collected, renewed and apportioned to underprivileged children and their families within the community. Last year nearly 11,000 children who might not have had a Christmas were presented with at least two (2) new or nearly new toys.

6. Public Information Officer

The activities of the Public Information Officer during the 1974-1975 fiscal year involved but were not limited to the following:

- a) As a primary function of the fire department to maintain liaison with the news media in San Francisco and segments in other areas relative to the department's activities and programs.
- b) Orient various groups of persons in governmental capacities and educational functions and coordinate activities relating to visiting dignitaries and public officials.
- c) Coordinate and distribute information pertaining to department operations and employment policies with outside departments, private groups and individuals.
- d) Assist in development of department programs and evaluation of various functions, provide information on various department programs and activities in public safety and service.

FIRE FIGHTING AND RESCUE SERVICES



FIRE FIGHTING AND RESCUE SERVICES

Headquarters Chief Officers

DIVISION NO. 1

Station No. 13

115 Drumm Street

Division No. 1

Battalion No. 1	Station No. 2	1340 Powell Street
Battalion No. 2	Station No. 36	109 Oak Street
Battalion No. 3	Station No. 35	676 Howard Street

DIVISION NO. 2

Station No. 5

1301 Turk Street

Division No. 2

Battalion No. 4	Station No. 38	2150 Calif. Street
Battalion No. 5	Station No. 21	1443 Grove Street
Battalion No. 7	Station No. 31	441 - 12th Avenue
Battalion No. 8	Station No. 40	2155 - 18th Avenue

DIVISION NO. 3

Station No. 7

2300 Folsom Street

Division No. 3

Battalion No. 6	Station No. 11	3880 - 26th Street
Battalion No. 9	Station No. 15	1000 Ocean Avenue
Battalion No. 10	Station No. 9	2245 Jerrold Avenue

Division of Airports

S. F. International Airport
Airport Rescue Company No. 1, No. 2 and No. 3

Department Buildings

The various units of the Department are stationed in the following buildings:

1	Department Headquarters
44	Company Stations
2	Airport Company Stations
1	Division of Training
1	Communications Center
1	Assignment Center (located at Department Headquarters)
1	Bureau of Equipment Headquarters
2	Pumping Stations (High Pressure System)
1	Reservoir Station (High Pressure System)
2	Warehouses (Storage)
1	Deactivated Company Station
1	Pipe Yard Station (High Pressure System)

Organization

The 1974-1975 organizational plan of the firefighting divisions, battalions, companies and special units of the Department is detailed in the Organization Chart contained in this report. Personnel assigned thereto are detailed in the Personnel Chart of this report. Firefighting personnel continued to work a 48.7 hour week. Basic tour of duty is a 24-hour shift.

Apparatus and Equipment

An \$8,491,000 Bond Issue passed by the voters on November 2, 1971 has provided the citizens of San Francisco with increased, modernized fire protection. Special emphasis has been placed on acquiring new firefighting apparatus and equipment. Apparatus purchased through the Bond Issue consisted of the following:

		<u>In Service</u>
Attack Hose Tender No. 21	808	2- 3-75
Attack Hose Tender No. 7	810	1-21-75
Attack Hose Tender No. 1	809	1-14-75
Cliff Rescue Unit No. 1	883	3- -75
Autos	2 (267-268)	5- -75

On Order from the Bond Issue: One Tow Truck - Salvage Truck - Light Unit - Due during fiscal year 1975-1976.

The following apparatus was obtained by way of the 1974-1975 Budget:

Triple Combination Pumpers

Engine Company No. 1	T.C. 572	3-14-75
Engine Company No. 2	T.C. 573	3-14-75
Engine Company No. 3	T.C. 574	3-26-75

Pick-up Trucks

Chevrolet Pick-up Truck	855	3-11-75
High Pressure G.M.C. Pick-up Truck	907	5-12-75

Miscellaneous Trucks

High Pressure Ford Crane	906	7-22-74
Autos	269-270-271	5- -75

Granted in 1974-1975 Budget but not as yet received: 1 Aerial on order due May, 1976; 2 Triple Combination Pumpers on order due May, 1976. In addition, the following miscellaneous items were obtained: 3 Hi-Ex portable Generators - 2 360GPM Trash Pumps - 12 Bolt cutters and 30 nozzles.

MERITORIOUS COMMENDATIONS

CLASS "A" AWARD



LIEUTENANT
JOHN J. BOGUE



FIREMAN
PHILLIP KAVANAUGH



FIREMAN
GERALD J. KILROY



FIREMAN
LEONARD R. LABAGH

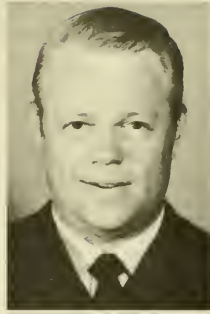


FIREMAN
DONALD R. SCHEPPLER

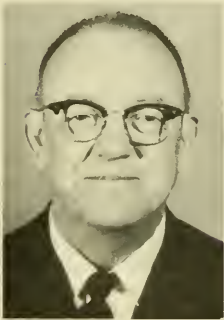
MERITORIOUS COMMENDATIONS
CLASS "B" AWARD



FIREMAN
WILLIAM I. CAREY



FIREMAN
GERALD F. DOHERTY



OPERATOR
ALBERT G. GROTH



LIEUTENANT
STANLEY T. HUGHES



FIREMAN
WILLIAM J. TOBIN



OPERATOR
FRANK R. TREANOR

MERITORIOUS COMMENDATIONS

On February 19, 1975, the Fire Commission accepted the recommendations of the Fire Department Merit Advisory Board concerning Meritorious Awards to the following Department members:

Class "A" Awards

Lieutenant John J. Bogue	Fireman Leonard Labagh
Fireman Donald R. Scheppler	Fireman Phillip R. Kavanaugh
Fireman Gerald J. Kilroy	

Class "B" Awards

Lieutenant Stanley T. Hughes	Fireman Frank R. Treanor
Fireman Albert F. Groth	Fireman Gerald F. Doherty
Fireman William J. Tobin	Fireman William C. Carey

Class "C" Awards

Operator Thomas W. Lovely, Jr.	Fireman King R. Cevolani
Fireman John J. Walsh	Fireman Thomas P. Ryan
Fireman David J. Lavelle - 2 awards	Fireman Michael P. Kenney
Fireman Robert A. Haggett	Fireman Walter Batiste
Fireman William S. Norton	Fireman Franklin H. Dunn

Class "D" Awards

Lieutenant Herbert M. Osuna	Fireman Michael J. McKinley
Fireman Ralph P. Merrillion, Jr.	Fireman Gerald R. Shannon
Fireman Robert J. Burrowes	Fireman Robert G. Boudoures
Fireman Ronald H. Morehen	

Letters of Commendation

Lieutenant Gregory W. Abell	Fireman Frank Cercos III
Fireman Ernest C. Aitkin	Fireman William T. Mitchell
Fireman Spiro Corempas	Fireman Frank M. Pugh
Fireman Frank R. Treanor	Fireman Ernest A. Tordesen
Engine Company # 1	Truck Company #13 - 2 awards
Engine Company # 7	Truck Company # 3 - 2 awards
Engine Company #30	Rescue Squad # 2 - 2 awards
Engine Company #37	Rescue Squad # 1 - 2 awards
Truck Company # 6	Truck Company #10
Hosetender # 6	

Unit Citations

Engine Company # 5	Station #14
Engine Company #34	

Plaque Award

Fireman John B. Sullivan

FIRE FIGHTING AND RESCUE SERVICES

Recapitulation of Fire Department Response, 1974-1975.

a) Transmission of Alarms:

	<u>Bell Alarms</u>	<u>Still Alarms</u>	<u>Total Alarms</u>
Actual Fires -----	4,264	4,320	8,584
False Alarms -----	10,805	307	11,112
Vicinities -----	123		123
Major Alarms -----	110		110
Special Calls -----	57		57
Miscellaneous (No fires)-----	1,506	10,303	11,809
TOTAL -----	16,865	10,930	31,795
No Alarm -- Fires -----			59
GRAND TOTAL OF ALARMS -----			31,854

b) Fires:

Bell Alarms -----	4,264
Still Alarms -----	4,320
No Alarm -- Fires -----	59
Total Fires -----	8,643

c) Special Calls in conjunction with Other Alarms ---- 57

d) Major Alarms:

Second Alarm -----	84
Third Alarm -----	20
Fourth Alarm -----	6
Fifth Alarm -----	0
Total Major Alarms -----	110

e) Classification of Buildings in which Fires Occurred:

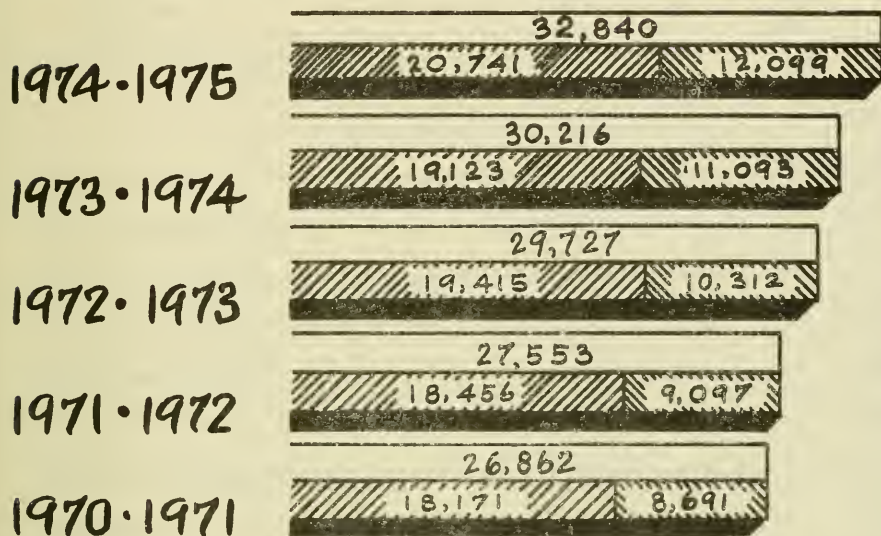
Type 1 -----	483
Type 2 -----	41
Type 3 -----	1,029
Type 4 -----	31
Type 5 -----	2,386
Total Building Fires -----	3,970

f) Extent of Fires:

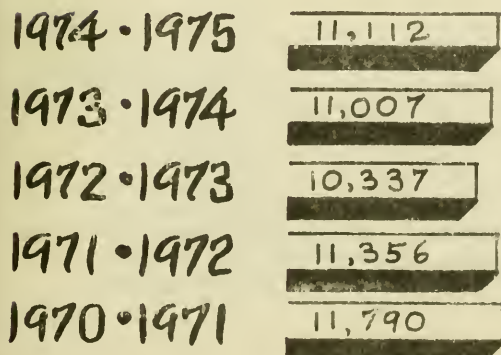
	<u>Yes</u>	<u>No</u>
Confined to Floor of Origin -----	3,847	123
Confined to Building of Origin -----	3,894	76

FIVE YEAR RECORD

TOTAL FIRE, *and* OTHER EMERGENCY
 FALSE ALARM RESPONSES



FALSE ALARMS



Type of Response: (Fiscal Year 1974-1975)

Building Fires:

Theatres and Motion Pictures -----	10
Public Assembly -----	154
Schools -----	118
Institutions -----	98
Hazardous -----	39
Business -----	287
Residential -----	2,993
Vacant Buildings -----	80
Other, Miscellaneous Buildings -----	<u>191</u>
Sub-Total (Total Building Fires) -----	3,970
<u>Vehicle Fires</u> -----	1,212
<u>Wharf and Pier Fires</u> -----	34
<u>Boat and Ship Fires</u> -----	8
<u>Grass and Rubbish Fires</u> -----	3,078
<u>Miscellaneous Fires</u> -----	<u>341</u>
TOTAL FIRES -----	8,643
<u>Emergencies Other than Fire</u> (Including 757 Resuscitations)	11,809
<u>Vicinities</u> -----	123
<u>Greater Alarms</u> -----	110
<u>Special Calls</u> -----	57
<u>False Alarms</u> -----	<u>11,112</u>
GRAND TOTAL OF ALARMS (TOTAL RESPONSE) -----	31,854

Causes of Alarms:

AUTOMOBILES:(and other vehicles)

Backfiring through carburetor -----	251
Colliding with fire alarm box -----	8
Colliding with fire hydrant -----	89
INCENDIARY -----	88
Motor Igniting -----	245
Overheated brakes -----	8
Overheated transmission -----	45
Smoking, igniting seats and upholstery -----	241
Wiring -----	264

Causes of Alarms: (continued)

BOMBS -----	12
BURNING TORCH, Igniting Combustibles -----	65
CANDLES, Igniting Combustibles -----	33
CHIMNEYS:	
Defective and/or Overheated -----	21
Sparks from igniting combustibles -----	15
CHRISTMAS TREES -----	6
DEBRIS BOX -----	75
DUMPS -----	9
ELECTRIC:	
Automatic Alarms Accidentally Actuating -----	479
Blankets & Heating Pads -----	7
Dishwashers -----	9
Dryers -----	30
Elevators -----	29
Extension Cords -----	44
Fluorescent Lights -----	99
Fuses Blown -----	2
Globe, Igniting Inflammables, too close -----	23
Heater -----	17
Hot Plate -----	29
Manhole & Underground Vaults -----	1
Motors -----	64
PG&E Wires and Poles -----	185
Radio -----	4
Refrigerator Motors -----	16
Sign Boards -----	2
Stoves -----	53
Television -----	43
Toasters -----	13
Transformers -----	30
Washing Machines -----	28
Wiring, defective in building -----	333
FALSE ALARMS -----	11, 112
FIREPLACE -----	59
FIREWORKS -----	25
FRICTION -----	4
GARBAGE CHUTES -----	73
GAS:	
Boilers -----	43
Dryers -----	28
Escaping & Igniting -----	11
Furnaces -----	116
Stoves, burnt food - Stoves, overheated -----	598 / 99
Water Heater -----	107
GASOLING VAPORS IGNITING -----	1
GRASS AND RUBBISH -----	3,078
GREASE IN FLUE IGNITING -----	52
HOT ASHES, Igniting Combustibles -----	5
INCENDIARY -----	401
JUVENILES, with Matches, Igniting Combustibles -----	225
LOCK-OUTS and LOCK-INS -----	691

Causes of Alarms: (continued)

MISTAKEN ALARMS -----	1,525
MOLOTOV COCKTAILS -----	12
REFRIGERATOR SYSTEMS, Leaking -----	98
REKINDLE -----	4
SMELL OF GAS -----	427
SMELL OF SMOKE -----	992
SMOKING:	
Igniting Awnings -----	55
Igniting Bedding and Mattresses -----	377
Igniting Chesterfields and Chairs -----	120
Igniting Combustibles -----	1,078
SPECIAL SERVICES:	
Assists and Rescues -----	2,453
Resuscitations -----	757
Other -----	1,248
SPONTANEOUS COMBUSTION -----	20
SPRINKLER SYSTEM ACTUATING -----	144
STEAM MISTAKEN FOR SMOKE -----	64
STREET ROAD FLARES -----	1
TAR KETTLE, Igniting -----	12
UNDETERMINED -----	66
VAPORS, Inflammable Igniting -----	50
VICINITIES -----	123
WASHDOWN STREETS -----	1,396
WATER LEAKING -----	918
<u>TOTAL</u> - - - - -	31,687
GREATER ALARMS -----	110
SPECIAL CALLS -----	57
<u>GRAND TOTAL OF ALARMS</u> - - - - -	31,854

FIRE LOSS STATISTICS
1974 -- 1975

	<u>1973-1974</u>	<u>1974-1975</u>	<u>+ or - Change</u>
TOTAL FIRES -----	8,030	8,643	+ 613
TOTAL ALARMS -----	30,479	31,854	+ 1,375
TOTAL FALSE ALARMS -----	11,007	11,112	+ 105
INCENDIARY ORIGIN -----	422	401	- 21
FELONY ARRESTS -----	20	13	- 7
FELONY CONVICTIONS -----	17	10	- 7
FIRE DEATHS -----	25	47	+ 22

Fires by Occupancy

RESIDENTIAL:

Apartments (Incl. Housing Projects) -	1,315	1,530	+ 215
Boarding Homes & Rooming Houses -----	25	18	- 7
Convent -----	1	2	+ 1
Dwellings (1 & 2-family) -----	1,169	1,107	- 62
Hotels -----	343	330	- 13
Motels -----	11	6	- 5
Total Residential -----	2,864	2,993	+ 129

PUBLIC ASSEMBLY (Incl. Theatres) -----	202	164	- 38
SCHOOLS -----	96	118	+ 22
INSTITUTIONS -----	99	98	- 1
HAZARDOUS OCCUPANCIES -----	35	39	+ 4
BUSINESS -----	300	287	- 13
NON-HAZARDOUS -----	6	0	- 6
VACANT BUILDINGS -----	48	80	+ 32
OTHER MISCELLANEOUS BUILDINGS -----	162	191	+ 29

TOTAL BUILDING FIRES - - - - -	3,812	3,970	+ 158
VEHICLES -----	1,263	1,212	- 51
WHARVES AND PIERS -----	42	34	- 8
BOATS AND SHIPS -----	8	8	Same
MISCELLANEOUS FIRES -----	348	341	- 7
GRASS AND RUBBISH -----	2,557	3,078	+ 521
TOTAL FIRES - - - - -	8,030	8,643	+ 613

Most Frequent Causes of Fire

Smoking and Matches (Including Smoking in Autos) -----	1,636	1,703	+ 67
Electric -----	1,501	1,425	- 76
Heating & Cooking Equipment -----	1,111	943	- 168

SUMMARY OF RELEVANT FIRE STATISTICS

FISCAL YEAR 1974 - 1975

Occupancies Where Deaths Occurred

Apartments -----	18
Dwellings -----	13
Hotels -----	6
Hospital -----	4
Vehicles -----	4
Office Buildings -----	<u>2</u>
Total - - - - -	47

Fatalities by Age Group

	<u>No.</u>	<u>Per Cent</u>
Under fifteen years of age -----	4	8.51
Fifteen to sixty-four years of age -----	31	65.96
Sixty-five years of age and over -----	<u>12</u>	<u>25.53</u>
Total (Male: 25 - Female: 22) - - - - -	47	100.00

Most Frequent Causes of Fire

	<u>San Francisco</u>		<u>United States</u>
	<u>1973-1974</u>	<u>1974-1975</u>	<u>Annual Average of 5-year</u>
			<u>Period -- 1969-1973</u>
Smoking and Matches	1,636	1,703	112,460
Electrical	1,501	1,425	155,160
Heating & Cooking Equipment	1,111	943	87,020

Salvage Operations

Salvage operations are a primary function in the San Francisco Fire Department. Quick and efficient application of salvage equipment has been responsible for greatly reducing the fire and property loss during the past fiscal year.

Response is not limited to fires only; many times this service is provided for wind storms, rain damage, broken water pipes and other water leaks.

The following salvage operations were performed during the fiscal year 1974-1975:

Salvage covers spread -----	121
Roof covers spread -----	168
Sprinkler heads replaced -----	252
Roofing paper (Rolls) -----	50
Polyethylene (Rolls) -----	60
Rental fees for covers -----	5,125.00

Fire Safety Survey - 1974-1975

The Fire Safety Survey Program is a three-phase public service operation of the Fire Department involving the assignment of in-service companies of the firefighting service to field inspections. The three phases of the program are:

- a) Home Inspection
 - b) Structural Survey
 - c) Area Orientation
-
- a) Home Inspection is part of the program designed to detect and correct the common fire hazards that may be present in the home, and be of assistance to the residents in making their home fire safe thus reducing dwelling fire and life loss.
 - b) Structural Survey involves companies familiarizing themselves with the various firefighting features of larger buildings in their respective areas. Such features as sprinkler systems, standpipe systems, fire escapes and building egress are evaluated.
 - c) Area Orientation involves the location of hydrants, fire alarm boxes, narrow or congested streets and cisterns for fire use in the companies area.

Fire Safety Survey (continued)

Home Inspections

Total Homes Contacted -----	3,210
Total Homes Admitted -----	1,178
Total Homes "Not In" -----	1,540
Total Homes Declined -----	492

Structural and Area Surveys

Total Buildings and Areas Surveyed -----	1,049
Total Company Inspection Hours -----	2,857

Hazards Detected

Electrical -----	86
Smoking - Matches -----	62
Flammable Liquids -----	100
Stoves - Heating -----	10
Rubbish Storage -----	144
Miscellaneous -----	63

Water Rescue and Firefighting Scuba Unit

The unit continues to service the citizens of San Francisco and is at present undergoing a new training program and reorganizing of personnel.

Training dives are being held monthly. During the next fiscal year, divers will be trained in surf and beach rescues. The unit will be expanded to approximately fifty well-trained emergency rescue divers.

Both rescue squads are manned at practically all times with emergency diving crews as well as other members stationed throughout the City. The unit has become revitalized through the addition of many new, young firefighters.

SERVICE FOR FISCAL YEAR

1974 - 1975

Emergency Service - 35 Runs	40 hours, 15 minutes
Drills - 20	100 hours

Harassment - Incidents

During the fiscal year of 1974-1975, six (6) incidents involving harassment occurred.

Firefighting continues to be one of the most hazardous occupations in the United States. The following is a list of disabling or lost time injuries suffered by members of the Department during the fiscal year 1974-1975 indicating nature of injury, part of body affected and the activity taking place at the time of injury:

Nature of Injury

1. Burns except eyes, including chemical burns	5
2. Burns, eyes	21
3. Lacerations & Punctures	38
4. Strains - Sprains - Dislocations	473
5. Hernias	11
6. Crushing injuries	3
7. Fractures or suspected fractures	25
8. Foreign body in eye, eye irritation, conjunctivitis, etc.	32
9. Bruises & Contusions	187
10. Upper respiratory disease (including smoke inhalation)	50
11. Dermatitis (skin disorder)	12
12. Other occupational disease	20
13. Not elsewhere classified	5

Part of Body Affected

1. Eyes	24
2. Head - Face - Neck	39
3. Heart & Possible Heart	18
4. Back - Spine	156
5. Trunk - Other than Back	47
6. Upper extremities	202
7. Lower Extremities	188
8. Not elsewhere classified	1

Activity Involved'

1. At Fires	369
2. Other Emergencies	25
3. Responding on Apparatus	26
4. Returning on Apparatus	15
5. Accident in Quarters	202
6. Training	46
7. Not elsewhere classified	11

Disability injuries in the above listed category, "Responding on Apparatus" and "Returning on Apparatus", are primarily from stepping on the apparatus or stepping off the apparatus during preparation to leave quarters and upon the return to quarters after responding to an alarm.

DIVISION OF AIRPORTS



DIVISION OF AIRPORTS

Organization

The Division of Airports is composed of a Division headquarters and three (3) subordinate Airport Companies. The Division office and Airport Companies 1 and 3 are located in Rescue station #1 facing Alpha (A) taxiway between Sierra (S) and Romeo (R) taxiways. Airport Company #2 is in Station #2 located 750 feet northwest of the intersection of taxiways Charlie (C) and Echo (E). The Fire Inspector's office is located in the Airport Planning and Engineering Building at the intersection of roads R-3 and R-5.

The Division Chief, Training Officer and Fire Inspector work a five (5) day week, 0800 to 1700, and are subject to recall during their off-duty status. All other personnel work the standard tour of duty for the San Francisco Fire Department.

Training

Training of Division personnel is conducted daily. Supervision is under the Division Chief, and training is conducted by the Training Officer and Company Officers. The guide-lines for training are those recommended in applicable Federal Aviation Administration Advisory Circulars, the National Fire Science Training Center and applicable San Francisco Fire Department Manuals. The Airport Division operates station drills from a separate schedule of drills pertinent only to the airport.

Emergency Alarms

Classification of alarms is as follows: Alert #1 is a potential aircraft accident or emergency, but aircraft is not expected to land at the airport for at least five (5) minutes; Alert #2 is an accident in progress or imminent; Code 10 is a Bomb Threat; and others are self explanatory.

Alert #1	191	<u>First Aid Response</u>	
Alert #2	12	Resuscitations	626*
Fire Alarms	418	Cardiac Compressions	156
First Aid	1,044	Misc. First Aid	418*
Fuel Spills	105	<u>Total</u>	1,044*
Code 10	62	Service	1,342:55

Certification

The Airport Division has been certified by the Department of Transportation (DOT) as meeting the requirements of FAR Part 139 with a waiver to the dry chemical requirements in Part 139.49 (b) (5). This waiver will be lifted with the arrival of a new vehicle in the fall of 1975.

Fire Prevention and Investigation

Inspections, Building -----	289
Re-inspections, Building -----	302
Plan Checking Jobs -----	369
Welding and Burning Permits -----	107
Investigation and night calls -----	23
Public Assembly Night Inspections -----	27

Notable Incidents

July 7, 1974	TWA L-1011, Gal. by fire. Damage \$2,000
July 16, 1974	Fuel spill at Gates 63 and 59. Under-ground line broken, 8,000 gallons of type A fuel shot fifty feet into the air and covered gate rooms, jetways and concourse. Sealed with AFF Foam, no fire.
Oct. 1, 1974	Twin engine Beechcraft D-18 crashed into bay near airport training grounds. No loss of life. Used row boat and scuba gear for investigation of aircraft.
Dec. 31, 1974	Bonanza Twin collapsed landing gear on touch-down. No injuries. \$2,000 damage.
Mar. 4, 1975	TWA L-1011 #1 engine fire. Damage \$10,000.
June 2, 1975	UAL 747, fire in #3 engine. Damage \$15,000.

DEPARTMENT CHAPLAINS
AND
PHYSICIAN



REVEREND
RONALD GRUMM
PROTESTANT



RABBI
MARTIN WEINER
JEWISH



REVEREND
JOSEPH A.O'CONNELL
CATHOLIC



DOCTOR
V.P. BONFILIO

In Memoriam

NAME	RANK	DATE	STATUS
McLaughlin, William J.	Chief's Operator	7/14/74	Retired
Johnstone, Thomas E.	Captain	7/16/74	Retired
Merrill, Eugene G.	Captain	7/19/74	Retired
Seaman, George	Fireman	8/ 7/74	Retired
Newmeyer, Benjamin	Fireman	8/29/74	Active
O'Hern, James M.	Captain	9/ 6/74	Retired
Hungate, Kenneth R.	Fireman	9/11/74	Active
Mohaupt, Charles A.	Fireman	10/19/74	Retired
Quinn, John	Fireman	10/27/74	Retired
Cunningham, Patrick	Water Supply	11/11/74	Retired
Welch, James	Fireman	11/23/74	Retired
Ceiley, Robert H.	Fireman	12/31/74	Retired
Pallas, Leo J.	Lieutenant	1/10/75	Retired
Mullen, Chester D.	Fireman	1/19/75	Retired
O'Brien, John V.	Fireman	2/28/75	Retired
Nolte, William A.	Sr. Clk. Steno.	3/17/75	Retired
Culhane, Thomas	Fireman	4/19/75	Retired
Waldeyer, Francis	Lieutenant	6/22/75	Retired
Balkwell, Charles G.	Fireman	6/24/75	Retired

SF

F55

#1

1975-76

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SAN FRANCISCO FIRE DEPARTMENT

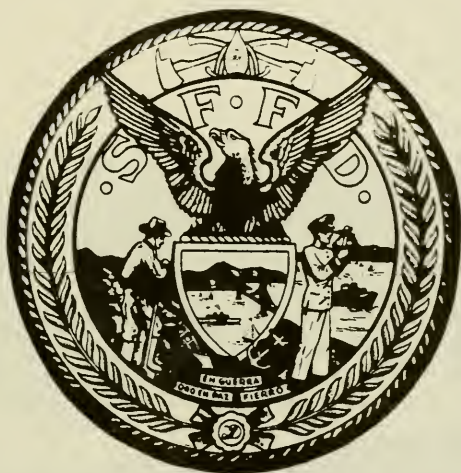
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ANNUAL REPORT 1975 · 76





Honorable
George R. Moscone
MAYOR

F I R E C O M M I S S I O N



Honorable	Honorable	Honorable	Honorable	Honorable
Agnes Barnhill	Juanita DelCarlo	John P. Figone, Jr.	Curtis McClain	Joyce J. Ream
Commissioner	Commissioner	President	Commissioner	Vice-President



Raymond G. Connors, Jr.
Secretary

SAN FRANCISCO FIRE DEPARTMENT



ANDREW C. CASPER
CHIEF OF DEPARTMENT



EMMET D. CONDON
DEPUTY CHIEF OF DEPARTMENT

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**CHIEF OF
DEPARTMENT
ANDREW C. CASPER**



SAN FRANCISCO FIRE DEPARTMENT

OFFICE
CHIEF OF DEPARTMENT



260 GOLDEN GATE AVE.
SAN FRANCISCO, CA. 94102

September 10, 1976

Honorable President and
Members of the Fire Commission

Ladies and Gentlemen:

I respectfully submit herewith the Annual Report of the San Francisco Fire Department for the Fiscal Year 1975-1976. This report is forwarded in accordance with provisions of Section 3.501 of the Charter of the City and County of San Francisco.

It is submitted as a combination of narrative and statistical form to factually present the basic operations of the Fire Department for the fiscal year reported. Included are general details of plans that have been put into effect and results of numerous cooperative efforts by Department personnel.

The following increases in Department operations from the previous year should be noted. There was an increase of ten (10) per cent in alarms, fires, and false alarms, and an increase in arson of nine (9) per cent. Programs have been initiated to off-set these increases. The increases, along with an exceptional rise in retirements of members of the Department (280 in this fiscal year) placed an added burden on the Department. In this regard, members continued to sustain an outstanding reputation for efficiency and courageous performance of duty.

With the assistance of the Office of the Mayor and the Board of Supervisors we were able to obtain additional funds for the coming year to off-set our high vacancy factor. This will be paid, in over-time, to the members of the department to work on their days off. It is my sincere belief that this will in some way alleviate the shortages existing in the Department. This will give the citizens of San Francisco an adequate level of manning of firefighting companies and necessary fire protection.

I wish to express my sincere appreciation to your honorable Commission for my appointment as Chief of the San Francisco Fire Department on March 8, 1976. It is with a feeling of deep humility that I attempt to continue on in the great traditions of my predecessors. Also, thanks is extended to Mayor George R. Moscone for his continuing counsel and guidance to our Department. His leadership has been of great help. I also wish to thank the Board of Supervisors and other City officials for their cooperation and assistance in many important matters. Appreciation is extended to public spirited citizens, the press, radio and television for their support and interest.

Respectfully submitted

Andrew C. Casper
Andrew C. Casper
Chief of Department

ADMINISTRATION



CHIEF STAFF OFFICERS
SAN FRANCISCO FIRE DEPARTMENT

Specialized Auxiliary Service
Headquarters
260 Golden Gate Avenue

Bureau of Administration	Room 225
Joseph A. Sullivan - Secretary to Chief of Department	
Division of Fire Prevention and Investigation	Room 327
Charles W. Carli - Assistant Chief of Department	
Division of Planning and Research	Room 210
Robert Rose - Assistant Chief of Department	
Division of Public Education and Internal Control	Room 309
John Sherratt - Assistant Chief of Department	
Bureau of Assignments	Room 208
Frank Allen - Battalion Chief	
Office of Emergency Services	
(Fire Coordinator) - Fredrick O'Donnell	Lieutenant
(Fire Reserve) - Peter Turdici	Lieutenant

Division of Training	2310 Folsom Street
Richard A. Galli - Assistant Chief of Department	

STAFF OFFICERS

Bureau of Equipment	2501 - 25th Street
Clayton B. Frazee - Captain	
Bureau of Communications	1003 Turk Street
Eugene G. Calamoneri - Captain	
Bureau of Community Relations	Headquarters - Room 309
Earl Gage - Director	

NON-UNIFORM

Secretary - Fire Commission	Room 204
Raymond G. Connors	
Bureau - Engineering & Water Supply	Room 219
Gilbert G. Bendix- Superintendent	
Physician - Department	Room 307
Victor P. Bonfilio, M.D.	

PERSONNEL

Employments

The number of authorized employments for the Fire Department totaled 1,838 for the fiscal year 1975-76. This was an increase of one (1) above 1974-75. The total Fire Department authorized employments for 1975-76 is detailed as follows:

<u>UNIFORMED FORCE</u>	<u>NON-UNIFORMED FORCE</u> <u>Headquarters Office</u>
1 - Chief of Department	5 - Member, Fire Commission
1 - Deputy Chief of Department	1 - Secretary, Fire Commission
1 - Secretary to Chief of Department	1 - Physicain (Part Time)
16 - Assistant Chief of Department	1 - Principal Accountant
43 - Battalion Chief	1 - Accountant
86 - Captain	1 - Principal Clerk Stenographer
230 - Lieutenant	1 - Sr. Payroll & Personnel Clk.
58 - Chief's Operator	2 - Payroll Clerk
1287 - Fire Fighter	2 - Sr. Clerk Stenographer
3 - Pilot-Fireboat	1 - Clerk Stenographer
4 - Marine Engineer-Fireboat	3 - Senior Clerk Typist
2 - Captain-Bur. Fire Prevention	2 - Clerk Typist
4 - Lieutenant-Bur. Fire Prevention	1 - Fire Protection Engineer
36 - Inspector-Bur. Fire Prevention	1 - Photographer
1 - Lieutenant-Bur. Fire Invest.	
7 - Investigator-Bur. Fire Invest.	23 - Total - Headquarters Office
1780 - Total - Uniform Force - 96.844%	<u>Bur. Engineer & Water Supply</u>
	1 - Supt. Bur. Water Supply
	1 - Foreman-Bur. Water Supply
	1 - Sub-Foreman-Bur. Water Supply
	2 - Chief Stationary Engineer
	7 - Stationary Engineer
	1 - Stationary Engineer (Relief)
	4 - Jr. Stationary Engineer
	1 - Jr. Stationary Engineer (Relief)
	14 - Utility Plumber
	3 - General Laborer
	35 - Total - Bur. Engineer & Water Supply
	58 - Total - Non-Uniform - 3.156%
<u>TOTAL EMPLOYMENTS</u>	
July 1, 1975	
1,838	

Specific Assignments of these employments are detailed on the authorized personnel assignment chart.

PERSONNEL

On February 11, 1976, the Honorable Mayor George Moscone appointed five new members to the newly expanded Fire Commission. For the first time, women were selected as members. John P. Figone, Jr. was selected President of the new Commission and Joyce J. Ream was selected Vice-President. The other three members are Agnes Barnhill, Juanita Del Carlo and Curtis McClain.

The first official duty performed by the newly appointed Fire Commission was to appoint a new Chief of Department. On March 9, 1976, Secretary to the Chief Andrew C. Casper was appointed Chief of Department to succeed Chief Keith P. Calden.

On March 11, 1976, Assistant Chief Emmett Condon was selected by Chief of Department Casper to be Deputy Chief of Department. On March 31, 1976, Chief Casper selected Battalion Chief Joseph A. Sullivan as his replacement as Secretary to the Chief.

Reverend Daniel Sullivan was appointed Chaplain, representing Department members of the Catholic faith, by the Fire Commission on June 23, 1976. This appointment was a replacement brought about the transfer of Reverend Joseph A. O'Connell to another city in the Bay Area.

AUTHORIZED PERSONNEL
BUDGET 1975 - 1976

	C.O. 140	D.O. 150	S.C.D. 155	A.C. H-50	S.C. H-60	CAPT. H-30	L.T. H-20	BPR. H-3	FRMM. H-2	PILOT H-120	M-ENGR. H-110	CAPT. H-32	L.T. H-22	L.T. H-24	INSP. H-4	INV. H-6	TOTALS
CHIEF OF DEPARTMENT	1	1						3	1								5
DEPUTY CHIEF OF DEPARTMENT																	4
OFFICE OF EMERGENCY SERVICE												1					1
PUBLIC ASSEMBLY													1				1
WATER FRONT SECURITY						1											1
BUREAU OF ADMINISTRATION						1		1									2
BUREAU OF ASSIGNMENT					1			3									4
BUREAU OF COMMUNICATIONS						1		8		12							21
BUREAU OF EQUIPMENT						1				8							9
DIVISION OF TRAINING				1		1											2
DIVISION OF FIRE PREV. & INVEST.				1			3	1									5
BUREAU OF INVESTIGATION																	0
BUREAU OF FIRE PREVENTION												1					1
DIVISION OF PLANNING & RESEARCH				1									3		1	35	7
BUREAU OF ENG. & WATER SUPPLY									7								7
DIV. PUBLIC ED. & INTERNAL CONTROL				1													1
	1	1	1	4	1	4	18	8	32			2	4	1	36	2	113

FIRE FIGHTING SERVICE

[illegible]

NON-UNIFORMED FORCE

FIRE COMMISSIONERS OFFICE	FPE 5715	CG 1444	CO 1470	SEC 1540	NOI 1654	A-C 1650	IGS 1446	ST 1500	I 1470	ETS 1450	EPD 1220	SHPC 1470	BHW 7220	JSS 5250	PLMS 7205	STALICKS 7334 7333	HYDRANT DEPARTMENT 7230 7323 7388 7614	END 1770
FIRE COMMISSIONERS OFFICE		1	5	1	1	1				1	1	2	1					16
CHIEF'S OFFICE							1	1										2
BUREAU OF FIRE PREVENTION	1						1	1	1					1	2	8	5	35
BUREAU OF ENG. & WATER SUPPLY									1									1
DIVISION OF TRAINING	1	1	5	1	1	1	2	3	2	1	2	1	1	1	1	8	5	59

TOTAL 1836

FISCAL

Budget - Personnel Services

Under the provisions of Section 8.405, City Charter, the rates of compensation of the uniformed force of the Department are fixed by ordinance of the Board of Supervisors.

The salary range is based upon survey and certification by the Civil Service Commission of the average paid fire-fighters and police officers in California cities of 350,000 or more population.

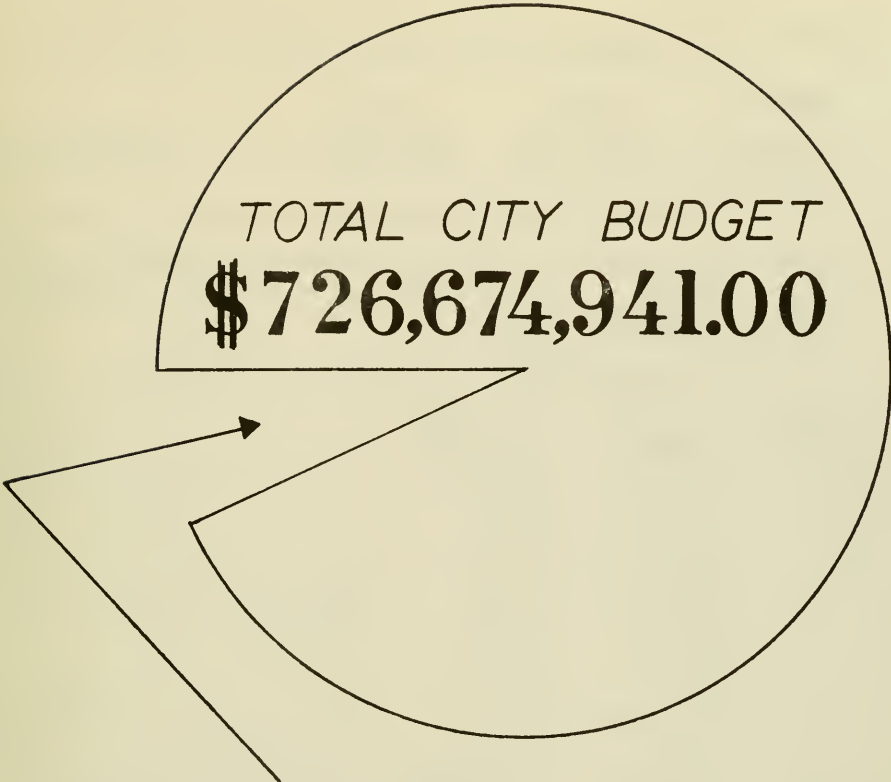
This new pay formula was approved by the voters on November 4, 1975 and slightly modified by voters on June 8, 1976.

	<u>Personnel</u>		<u>Increase (Decrease)</u>
	<u>1974-75</u>	<u>1975-76</u>	
Budget Estimate	\$34,665,718	\$37,501,887	\$2,836,169
Budget Expended *	\$34,641,475	\$34,490,893	\$ (150,582)

Ordinance 150-74, final passage on March 18, 1974, allows "Like Work - Like Pay" for the first full watch worked at a higher classification. Necessary funding in this account during fiscal year 1975-76 totaled the following:

Original Amount	\$110,533
Supplemental Appropriation	<u>+25,000</u>
Total Budget	\$135,533
 Total Expended	 <u>-125,000</u>
Balance held in Reserve	\$ 10,533

- (*) Total expended of \$34,490,893 for fiscal year 1975-76 does not include \$3,095,755 in salary increments not yet paid to the Uniform Force because of pending result of litigation otherwise total expended for that year is \$37,586,648, an increase of \$2,945,173 over the previous year.



TOTAL CITY BUDGET
\$726,674,941.00

FIRE DEPARTMENT
BUDGET

\$59,263,217.00

FIRE DEPARTMENT
PERCENTAGE OF
TOTAL CITY BUDGET

8.10%

Budget - Data

During fiscal year 1975-76, budget allowances and expenditures compared to fiscal year 1974-75 for the Fire Department were as follows:

		<u>1974-75</u>	<u>1975-76</u>	<u>Increase</u>
Budget Allowances	-	\$51,053,139	\$59,729,504	\$8,676,365
Expenditures	-	\$50,711,352	\$55,957,188	\$5,245,836

Expenditure categories and percentages are as follows:

Personal services and related fringe benefits.	\$54,797,392	97.9%
Equipment	67,545	.2%
Other	<u>1,092,251</u>	<u>1.9%</u>
Total .	\$55,957,188	100.0%

Budget Recapitulation of Allowances and Expenditures:

<u>Description</u>	<u>Allowance</u>	<u>Expended</u>	<u>Expenditures (over)/under</u>
Personnel Salary & Wages	\$37,501,887	\$34,490,893	\$3,010,994
Contractual Services	153,867	142,767	11,100
Local Fares - Airport	500	990	(490)
Materials & Supplies	275,593	269,650	5,943
Equipment	153,532	67,545	85,987
Library & Reference Books	250	159	91
Maintenance & Repairs - Buildings .	32,225	32,225	-0-
- Auto	445,957	445,957	-0-
- Others	186,601	186,601	-0-
Fixed Charges (Dues)	278	246	32
Meritorious Awards	3,000	2,517	483
Fringe Benefits	20,964,675	20,306,499	658,176
Services of other departments	10,639	10,639	-0-
Revolving Fund	500	500	-0-
<u>Total Budget 1975-1976 * ..</u>	<u>\$59,729,504</u>	<u>\$55,957,188</u>	<u>\$3,772,316</u>

* Note - Federal Revenue Sharing of \$1,000,000 included in total which was expended for salaries.

Department Revenues:

Estimated revenues and amounts collected during fiscal year 1975-1976 were as follows:

<u>Account</u>	<u>Description</u>	<u>Estimated</u>	<u>Collected</u>
7166	Posting Fees	\$ 1,500	\$ 1,640
7167	Original Filings Fees	8,000	10,662
7188-9	Minor Damages and Miscellaneous Service (Copy Service Charges) (Note 1)	3,000	15,585
7192	Roof and Salvage Covers	6,000	6,085
	Totals (Note 2)	\$ 18,500	\$ 33,972

Note 1 \$15,526 of additional collections were allowed the Fire Department for repairs of damaged hydrants and automotive equipment - as per Section 11.7 of the Annual Appropriation Ordinance.

Note 2 Total collected for account includes amounts collected by the Fire Department and other departments.

S.F.F.D.

SALARY RANGEUniformed Force

July 1, 1975-76 *

Chief of Department	\$ 1,711.15	bi-weekly
Deputy Chief of Department	1,440.00	"
Assistant Chief of Department	1,168.85	"
Secretary to Chief of Department	1,133.13	"
Battalion Chief	1,011.76	"
Captain	843.66	"
Lieutenant	738.32	"
Chief's Operator	692.52	"
Captain, Bureau of Fire Prevention & Public Safety	953.13	"
Lieutenant, Bureau of Fire Prevention & Public Safety	834.50	"
Lieutenant, Bureau of Fire Investigation	834.50	"
Investigator, Bureau of Fire Investigation	761.68	"
Inspector, Bureau of Fire Prevention & Public Safety	761.68	"
Pilot & Marine Engineer, Fireboat	843.66	"
Firefighter - 1st year	612.37	"
Firefighter - 2nd year	619.24	"
Firefighter - 3rd year	628.40	"
Firefighter - 4th year	635.27	"

Non-Uniformed Force

Fire Commissioner	\$ 100.00	per month
Secretary - Fire Commission	745.00	bi-weekly
Physician (Part Time)	897.00	"
Superintendent, Water Supply System	1,099.00	"
Foreman - Water Supply System	13.817	per hour
Sub-Foreman - Water Supply System	13.217	per hour
Chief Stationary Engineer	9.90	per hour
Stationary Engineer	7.62	per hour
Junior Stationary Engineer	6.10	per hour
Utility Plumber	12.015	per hour
Laborer	7.545	per hour
Principal Accountant	625.00	bi-weekly
Accountant	496.00	"
Senior Payroll and Personnel Clerk	453.00	"
Principal Clerk Stenographer	453.00	"
Senior Clerk Stenographer	414.00	"
Payroll and Personnel Clerk	414.00	"
Senior Clerk Typist	406.00	"
Clerk Typist	370.00	"
Photographer (Entrance Level)	428.00	"

* Reflects rates actually paid subject to revision if "Alioto Pay Settlement" is upheld in State Court of Appeals.

PROMOTIONS - UNIFORMED FORCE

The following promotions were made in the various uniformed ranks of the Department during the fiscal year 1975-1976:

<u>Rank</u>	<u>Effective Date</u>
<u>Chief of Department</u>	
Andrew C. Casper	March 9, 1976
<u>Deputy Chief of Department</u>	
Emmet D. Condon	March 11, 1976
<u>Secretary to Chief of Department</u>	
Joseph A. Sullivan	March 31, 1976
<u>Assistant Chief (C. S. H-50)</u>	
Russell B. Martin (N.C.S.)	August 13, 1975
William Graham (N.C.S.)	August 28, 1975
Andrew J. Brandi	June 23, 1976
<u>Battalion Chief (C. S. H-40)</u>	
Thomas M. Healy (N.C.S.)	August 13, 1975
Edward M. O'Donnell (N.C.S.)	August 28, 1975
Edward T. Doyle (N.C.S.)	August 28, 1975
Frank J. Allen	January 26, 1976
Donald G. O'Brien	March 10, 1976
John W. Flaherty	June 23, 1976
Thomas C. Macaluso	June 23, 1976
Martin T. Gallagher	June 23, 1976
William M. Shaughnessy	June 23, 1976
Charles D. Cresci	June 23, 1976
George E. Berthold	June 23, 1976
<u>Captain (C. S. H-30)</u>	
Thomas Ryan	August 26, 1975
George Vouchilas	August 30, 1975
Herbert M. Osuna	March 10, 1976
Thomas F. Kelly	March 10, 1976
John P. Murphy	June 23, 1976
Anthony Cahill	June 23, 1976
Richard Folla	June 23, 1976
William MacGurn	June 23, 1976
Robert Coyle	June 23, 1976
William Azich	June 23, 1976

Captain (C. S. H-30)Effective Date

George Payne	June 23, 1976
Edward F. Pease	June 23, 1976
Gerald J. Barry	June 23, 1976
Frank Navarra	June 23, 1976
Timothy M. O'Leary	June 23, 1976
Paul D'Angelo	June 23, 1976
Charles R. Grimm	June 23, 1976
Joseph F. McCarthy	June 23, 1976
Ronald H. Judson	June 23, 1976
Frank J. O'Rourke	June 23, 1976

Lieutenant (C. S. H-20)

James C. Ferry	July 1, 1975
Robert A. Bergeron	July 1, 1975
Louis Birleffi	August 26, 1975
Richard Hutchinson	August 28, 1975
Anthony DiGiovanni	August 28, 1975
James Edwards	August 29, 1975
Gerald Grey	September 4, 1975
Robert Moser	September 15, 1975
John A. Hartley	March 10, 1976
John C. Ogle	March 10, 1976
Rudy Moreno	June 23, 1976
Haig Harootenian	June 23, 1976
David McCarroll	June 23, 1976
Donald M. Walsh	June 23, 1976
Thomas O'Callaghan	June 23, 1976
Henry T. Smith	June 23, 1976
William Ference	June 23, 1976
Reno R. Cervelli	June 23, 1976
Ronald M. Cutler	June 23, 1976
Earl Shuholm	June 23, 1976
Guido Costella, Jr.	June 23, 1976
John McGreevy	June 23, 1976
Michael Goodin	June 23, 1976
Louis Comaduran	June 23, 1976
Paul Davis	June 23, 1976
Howard Slater	June 23, 1976
Gary Dale	June 23, 1976
Michael Cutone	June 23, 1976
George Langley	June 23, 1976
Jack Webb	June 23, 1976
Richard Wilson	June 23, 1976
Richard Nyhan	June 23, 1976
Daniel Kiely	June 23, 1976

Chief's Operator (C.S. H-10)

Frank Grimley	August 12, 1975
Francis Loughran	August 28, 1975
Robert Brady	October 15, 1975
Albert J. Fernandez	October 15, 1975

Captain - Fire Prevention (C. S. H-32)

Effective Date

Jack Sotter

June 7, 1976

Lieutenant - Fire Prevention (C.S. H-22)

Russell P. McKlem

January 26, 1976

Rudy H. Hallberg

June 6, 1976

Investigator - Fire Investigation (C.S. H-6)

Robert T. Desmond

August 29, 1975

John T. Ricketts

June 7, 1976

Inspector - Fire Prevention (C. S. H-4)

Albert Wirdzek

July 1, 1975

David A. Sarber

July 1, 1975

Donald O. Cofer

July 1, 1975

John Tizio

August 20, 1975

Leonard Colbert

August 20, 1975

Eugene F. Young

March 10, 1976

Michael Patterson

March 10, 1976

Thomas P. McCarthy

June 9, 1976

Richard Hutchinson

June 9, 1976

Edward B. Benedetti

June 9, 1976

Thomas J. Gallagher

June 9, 1976

Pilot of Fireboats (C. S. H-120)

George J. Kauffman (Temporary)

July 31, 1975

Marine Engineer of Fireboats (C. S. H-110)

Alex B. Salton (Temporary)

November 23, 1975

Firefighters (C. S. H-2)

Appointed September 3, 1975

William D. Jackson

Dennis J. Zouzounis

Milton J. Panagotacos

Gerald D. Ard

John J. Lee

John S. Peoples

Neil S. Shea

William S. Wickliffe

Kent W. Brandt

John J. Pieretti

Robert G. McDill

Rene H. Revel

Jesse J. Ivy

Richard Ames

James Borg

Frank B. Iavarone

Patrick Buddington

Roger D. Bouyea, Jr.

John A. Melanephy

Thomas J. Connelly

Dale Neil Scott

James J. Corrigan

Robert A. Castelli

Robert C. McGriff

Firefighters (C. S. H-2)

Appointed January 26, 1976

Roger F. Erickson
David A. Carroll
Joseph F. Graff
Richard W. Beckwith
John S. Walters
John C. McAlister
Dennis J. Gunther
David T. Tracey
Joseph P. Moriarty

Richard E. Kochevar
Alan C. Kazarian
Walter R. Smith
Joseph A. Sullivan, Jr.
Charles E. Hallgren
Leal Kelly Ugrin
Mark V. Groshong
Elbert R. Calkin

Re-appointed June 30, 1976

Albert L. Thuesen, Jr.

Re-appointed January 1, 1976

George C. Nelson

TOTAL APPOINTMENTS - UNIFORMED FORCE

Chief of Department	- 1
Deputy Chief of Department	- 1
Secretary, Chief of Department	- 1
Assistant Chief (H-50)	- 3
Battalion Chief (H-40)	-11
Captain (H-30)	-20
Lieutenant (H-20)	-33
Chief's Operator (H-10)	- 4

Captain	(H- 32) - 1
Lieutenant	(H- 22) - 2
Investigator	(H- 6) - 2
Inspector	(H- 4) -11
Pilot of Fireboats	(H-120) - 1
Marine Engineer	(H-110) - 1
of fireboats	
Firefighters	(H- 2) -43

NON-UNIFORMED FORCE

Effective Date

7334 - Stationary Engineer

Howard D. Tuscher
Pedreu C. Lewis (N.C.S.)

July 1, 1975
May 19, 1976

1770 - Photographer

Gregory Owyang

August 20, 1975

7333 - Jr. Stationary Engineer

John Antonsen (N.C.S.)
Thomas G. Flood (Temporary)

September 17, 1975
October 10, 1975

1654 - Principal Accountant

Robert Parmelee (Temporary)
Robert Parmelee (Probationary)

October 29, 1975
November 13, 1975

NON-UNIFORMED FORCE (continued)

1424 - Clerk Typist

Brenda Brown (C.E.T.A.)	November 3, 1975
Shirley Toler (C.E.T.A.)	December 24, 1975
Henry Holland (C.E.T.A.)	March 31, 1976

1426 - Sr. Clerk Typist

Eunice MaArthur	May 18, 1976
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UNIFORMED FORCE TERMINATIONS

Chief of Department

3/09/76	Keith P. Calden	<u>S</u>
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Deputy Chief of Department

3/11/76	Joseph P. Daly	<u>S</u>
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Assistant Chief

11/13/75	Rene Gautier	<u>S</u>	3/15/76	Ernest Banchemo	<u>D</u>
11/13/75	Bruno Bassi	<u>S</u>	3/16/76	Frank Sangiacomo	<u>D</u>
11/13/75	Joseph Schneider	<u>S</u>	5/03/76	Robert Clancy	<u>S</u>
11/14/75	Leo Olson	<u>D</u>	5/03/76	Leonard Zechlin	<u>S</u>
12/10/75	John Baldelli	<u>S</u>	5/12/76	Richard Galli	<u>S</u>

Battalion Chief

7/07/75	James Ragland	<u>D</u>	11/12/75	Charles Shaw	<u>S</u>
9/01/75	Cecil Russell	<u>D</u>	11/13/75	Henry Nolan	<u>S</u>
9/30/75	Russell Martin	<u>D</u>	12/08/75	Edwin Erlwin	<u>S</u>
10/18/75	Norman Faix	<u>D</u>	2/06/76	John C. Smith	<u>S</u>
10/23/75	Stephen Cronin	<u>D</u>	3/10/76	James Balovich	<u>S</u>
11/12/75	Lawrence Paris	<u>D</u>	3/13/76	Robert Mohn	<u>S</u>
11/14/75	Charles Smith	<u>S</u>	4/21/76	Anthony Brain	<u>S</u>

Captain

7/06/75	Jack King	<u>D</u>	10/19/75	Bernard Feldhaus	<u>S</u>
7/10/75	Louis Rinetti	<u>S</u>	10/19/75	Richard O'Brien	<u>D</u>
7/10/75	James Keefe	<u>S</u>	10/20/75	William Stjepanicich	<u>S</u>
7/25/75	Thomas Feeney	<u>D</u>	10/24/75	Harvey Brymner	<u>D</u>
7/25/75	Kenneth Waggoner	<u>S</u>	11/11/75	Leslie Hopkins	<u>S</u>
8/12/75	Evald Lundgren	<u>D</u>	11/11/75	Edward McHugh	<u>S</u>
10/17/75	William Murphy	<u>S</u>	11/12/75	Lee Bernsdorf	<u>S</u>

Captain (continued)

11/16/75	Laurence Jones	<u>S</u>	4/14/76	Victor Garibaldi	<u>S</u>
1/11/76	Walter Crombie	<u>S</u>	5/01/76	Norman Castellano	<u>S</u>
3/02/76	Peter Nielsen	<u>D</u>	5/30/76	William Magee	<u>S</u>
3/15/76	Artti Juslin	<u>S</u>	6/29/76	Thomas Gilchrist	<u>S</u>
3/17/76	James O'Looney	<u>S</u>			

Lieutenant

7/07/75	Raymond T. Hadlock	<u>D</u>	12/11/75	James Heffernan	<u>S</u>
7/07/75	John Hagenah	<u>S</u>	2/05/76	Michael Griffin	<u>S</u>
7/08/75	John J. Blythe	<u>S</u>	2/07/76	John Bacciocco	<u>S</u>
7/15/75	Edward J. Dekort	<u>S</u>	3/17/76	Walter Egelhofer	<u>S</u>
7/24/75	Robert Healy	<u>D</u>	4/01/76	Eugene Greenwood	<u>S</u>
8/08/75	Robert Mailey	<u>S</u>	4/14/76	Robert Sheehy	<u>S</u>
10/17/75	Leo Spacher	<u>S</u>	5/03/76	Thomas Buckle	<u>S</u>
10/18/75	Roy Wright	<u>S</u>	5/12/76	Basil Fetchin	<u>S</u>
10/31/75	William Brown	<u>S</u>	5/12/76	Everett Timmer	<u>S</u>
11/12/75	Rudolph Radosevich	<u>S</u>	5/17/76	Edward Mercer	<u>S</u>
11/13/75	Robert Hammermeister	<u>S</u>	5/25/76	William Platt	<u>S</u>
11/13/75	John Sanchez	<u>S</u>	5/29/76	Robert Hughes	<u>S</u>
11/14/75	Albert Gori	<u>S</u>	5/29/76	Eugene Hoaglund	<u>D</u>
11/15/75	Girard Rose	<u>S</u>	6/23/76	John Hanlon	<u>S</u>
11/24/75	Thomas Moran	<u>D*</u>			

Chief's Operator

7/07/75	Robert G. Look	<u>S</u>	11/12/75	Royle Perry	<u>S</u>
7/09/75	Walter E. Glynn	<u>S</u>	3/23/76	James Reilly	<u>S</u>
8/10/75	John McGough	<u>S</u>	5/02/76	Robert Fitzgerald	<u>S</u>
11/12/75	John Lee	<u>S</u>	5/12/76	Lewis Glaeser	<u>S</u>

Captain - Fire Prevention

10/25/75	Raymond McDevitt	<u>S</u>
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Investigator - Fire Investigation

7/09/75	Arthur Bauer	<u>S</u>	11/17/75	Ray Johnson	<u>S</u>
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Inspector - Fire Prevention

7/09/75	Raymond G. Burger	<u>S</u>	2/18/76	George Gregory	<u>S</u>
7/09/75	Marvin Georgian	<u>S</u>	2/18/76	John Slattery	<u>D</u>
10/16/75	August Pierucci	<u>S</u>	3/03/76	Earl Cooney	<u>S</u>
10/17/75	John Gibson	<u>S</u>	5/03/76	Clifford Kahn	<u>S</u>
10/20/75	Edward Cull	<u>S</u>	5/03/76	Charles Loftus	<u>S</u>
11/14/75	Thomas Tobin	<u>S</u>	6/01/76	Russell Albano	<u>D</u>
11/24/75	Paul Lindsay	<u>S</u>	6/09/76	John Driscoll	<u>S</u>
2/02/76	Alfred Harris	<u>S</u>			

Firefighter

7/05/75	Oliver Lundborg	S	11/12/75	Frank Kunst	S
7/06/75	George P. Arvonen	S	11/12/75	Leland Miller	S
7/08/75	Anthony DiLuzio	D	11/12/75	Roy Parodi	S
7/09/75	Peter Giras	S	11/12/75	Martin Rivette	S
7/09/75	Harry Humphreys	D	11/13/75	Clarence Adams	S
7/09/75	Melvin LaVoie	D	11/13/75	Loyd C. Crabtree	S
7/09/75	Philip McKeon	S	11/13/75	Eugene DeFount	S
7/09/75	Edward J. Olsen	S	11/13/75	Harold Foge	S
7/09/75	Homer Snow	S	11/13/75	John Keating	S
7/09/75	Francis Wagner	S	11/13/75	Walter Kopfmann	S
7/10/75	James Atkinson	S	11/13/75	Lee Lane	S
7/10/75	Ralph Jenkins	S	11/13/75	Mervyn Preston	S
7/10/75	Alfred E. King	S	11/14/75	Jack Anchick	S
7/10/75	Orlean Messenger	S	11/14/75	Robert Davenport	S
7/11/75	Joseph Gughemetti	S	11/14/75	Philip Harrington	D
7/11/75	Harry Middendorf	S	11/15/75	John Hearne	D
7/11/75	Charles E. Paton	S	11/15/75	George Mahler	S
7/18/75	Ernest Tordsen	S	11/15/75	Joseph Moffett	S
7/20/75	Kenneth Groover	S	11/15/75	Wilmer Orlando	S
7/20/75	Clyde Quinn	D	11/15/75	Walter Safley	S
7/23/75	Victor P. Jones	S	11/15/75	Theodore Varga	S
7/25/75	William Gilheaney	S	11/15/75	Edwin Wanner	S
7/26/75	Gerard DeClercq	S	11/16/75	Bart Manick	S
8/01/75	William McFall	D	11/16/75	Paul Walsh	S
8/18/75	Charles McGourty	D	11/18/75	Edward Mitchell	S
8/19/75	Robert Hall	S	11/22/75	John Kump	S
10/16/75	Robert Sorensen	D	11/27/75	Earl Tillman	S
10/17/75	George Kelson	S	11/28/75	James Fanning	D*
10/17/75	Clarence Nevius	S	12/04/75	John Burke	S
10/18/75	William Koehler	D	12/04/75	Richard Solvin	D
10/18/75	Vincent O'Connor	S	12/11/75	Eugene McCandless	D
10/18/75	Melvin Perricone	S	12/29/75	Arthur Heath	S
10/19/75	James Ganey	S	1/08/76	Lloyd Chambers	D*
10/19/75	James Hurley	S	1/27/76	Emilio Dacquisto	D
10/19/75	Francis Scott	S	2/01/76	Gene Weissgerber	D
10/20/75	Peter Delopolus	S	2/06/76	Albert Anderson	S
10/20/75	Thomas McDonough	D	2/06/76	Lorin Collins	S
10/20/75	Edward Morrison	S	2/06/76	John Holden	S
10/20/75	Arthur Tregenza	S	2/06/76	Elbert Rose	S
10/20/75	John Tully	S	2/07/76	Frank Early	S
10/22/75	Louis Harbick	S	2/07/76	John Osborne	S
10/23/75	William Savage	S	2/08/76	Henry Jensen	S
10/27/75	John O'Brien	S	2/08/76	Peter Murphy	D
10/27/75	Harry Robinson	S	2/08/76	Stephen Pelzer	S
11/04/75	William Hamilton	S	2/12/76	Arthur Fries	S
11/05/75	Richard Hawkins	S	2/15/76	James Kellher	D
11/11/75	George Harper	S	2/16/76	Don Favorita	D
11/11/75	Samuel McCulloch	S	2/18/76	Albert Androvich	D
11/12/75	Lawrence DeLange	S	2/19/76	James Burke	S
11/12/75	Austin Kotoff	S	2/20/76	Robert Johnstone	S

Firefighter

2/24/76	Roy Podesta	<u>S</u>	5/04/76	Perry Hodgson	<u>S</u>
2/26/76	Salvador Fama	<u>D</u>	5/07/76	James Murphy	<u>S</u>
3/02/76	Hugh Courtright	<u>S</u>	5/08/76	Francisco Sandoval	<u>D*</u>
3/04/76	Walter Stone	<u>S</u>	5/11/76	Raymond Hines	<u>S</u>
3/11/76	Richard Adams	<u>S</u>	5/12/76	Edward Belforte	<u>S</u>
3/11/76	Edmund Hallen	<u>S</u>	5/12/76	Paul Buran	<u>S</u>
3/16/76	Adolph Mehak	<u>S</u>	5/12/76	Gerald Curran	<u>S</u>
3/17/76	William Mooney	<u>S</u>	5/12/76	Gordon Gagliasso	<u>S</u>
3/18/76	Michael Kenny	<u>S</u>	5/12/76	Thomas Tregenza	<u>S</u>
3/19/76	William Roberts	<u>S</u>	5/13/76	Alfred Parkins	<u>S</u>
3/20/76	John J. O'Sullivan	<u>S</u>	5/13/76	Gabriel Toschi	<u>S</u>
3/22/76	Raymond Christiansen	<u>S</u>	5/14/76	Charles Becker	<u>S</u>
3/26/76	Robert Banzet	<u>S</u>	5/15/76	James Clancy	<u>S</u>
3/27/76	Robert Wallace	<u>S</u>	5/20/76	William Walsh	<u>D</u>
3/30/76	Alvin Clayton	<u>S</u>	5/23/76	Thomas Jenkins	<u>S</u>
4/01/76	Benjamin Paton	<u>S</u>	5/26/76	Frank Henry	<u>S</u>
4/01/76	Harry Rice	<u>D</u>	5/30/76	Albert Norton	<u>S</u>
4/03/76	Rudolph Evers	<u>D</u>	6/01/76	Robert Wallace	<u>S</u>
4/06/76	William R. Hall	<u>S</u>	6/02/76	Ernest Galassi	<u>D</u>
4/14/76	Carl Anderson	<u>S</u>	6/07/76	Ashley Hobson	<u>S</u>
4/15/76	David Brown	<u>S</u>	6/09/76	Robert Porter	<u>S</u>
4/16/76	James Hanratty	<u>S</u>	6/10/76	James Robertson	<u>S</u>
4/19/76	William Giesen	<u>S</u>	6/10/76	Herbert Thompson	<u>S</u>
4/28/76	Robert Barbi	<u>S</u>	6/11/76	Leonard Meiswinkel	<u>S</u>
4/30/76	Warren Cavanaugh	<u>S</u>	6/16/76	George Wright	<u>D</u>
5/01/76	Benjamin Del Negro	<u>S</u>	6/23/76	John D. Mahoney	<u>S</u>
5/01/76	Willie Hellund	<u>S</u>	6/26/76	Richard Winkler	<u>S</u>
5/01/76	Ernest Marciano	<u>S</u>	6/27/76	Lester Donnelly	<u>S</u>
5/01/76	George Nielsen	<u>S</u>	6/28/76	Charles Dowd	<u>D</u>
5/01/76	John Sherry	<u>S</u>	6/28/76	Tim Heffernan	<u>D</u>
5/01/76	Vinicio Tudoni	<u>S</u>	6/29/76	Rollin Atkins	<u>D</u>
5/01/76	Harry Wielen	<u>S</u>	6/29/76	Frank Lopez	<u>S</u>
5/02/76	John Brain	<u>S</u>	6/29/76	James McCarthy	<u>S</u>
5/03/76	Eugene Ahern	<u>S</u>	6/30/76	Carl Klotz	<u>S</u>

Miscellaneous

9/10/75	Jesse Ivy	<u>Resigned</u>
9/22/75	Frank Iavarone	<u>Resigned</u>
10/20/75	Richard Egelhofer	<u>Resigned</u>
1/29/76	Albert Thuesen	<u>Resigned</u>
4/15/76	Mustafa Hamid	<u>Resigned</u>

Non-Uniformed Personnel

7/05/75	Albert Gibeau	<u>S</u>	6/30/76	Lloyd Jenkins	<u>S</u>
11/01/75	Harold DiModica	<u>S</u>			

S - Service D - Disability D* - Deceased

TOTAL UNIFORMED FORCE TERMINATIONS

Retirement	(Service)	220
Retirement	(Disability)	48
Resignations		5
Deaths		4

TOTAL NON-UNIFORMED FORCE TERMINATIONS

Retirement	(Service)	3
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DISCIPLINARY ACTION

September 12, 1975

Fireman Robert J. Baireuther was suspended indefinitely - under Section 4003 (c) - for Conduct Unbecoming a Member of the Department.

November 17, 1975

Fireman Stephen J. Feizer suspended for 10 days for violation of Rules and Regulations, Section 3925 - Failure to Report for Duty.

January 19, 1976

Fireman Francisco R. Sandoval was suspended for 90 days for violation of the Rules and Regulations, Section 3921 - In-Aptitude for Duty.

January 26, 1976

Lieutenant John Arevalo was suspended for one day for violation of Rules and Regulations, Section 1127 - Matters of Unusual Nature.

January 26, 1976

Fireman Richard Cappa was suspended for 10 days for violation of Rules and Regulations, Sections 3913 - Use of Intoxicants, 3917 Unauthorized Absence from Station, 2005 (a) Station Watch, and 3208 - Uniform Dress.

June 5, 1976

Lieutenant Harold J. Growney was suspended for one (1) day for violation of the Rules and Regulations, Sections 3913 - Use of Intoxicants and 3915 - Incompetency.

BUREAU OF ASSIGNMENT AND
COMMUNICATIONS





BUREAU OF ASSIGNMENTS AND COMMUNICATIONS

Bureau of Assignments

The Bureau of Assignments has the authority to constantly maintain adequate personnel to insure the most efficient operation of department apparatus and equipment. This authority is delegated to the Battalion Chief, Bureau of Assignments and Communications and officers assigned to this Bureau by the Chief of Department through the Deputy Chief.

The following is a brief outline of some of the more exacting operations performed:

1. Compilation of Division Strength Reports.
2. Estimation of manpower availability on a three (3) day forecast in order to provide an adequate daily on-duty compliment of firefighters.
3. Working out-of-classification assignments on a daily, weekly and monthly basis.
4. Daily membership reports.
5. Allocation of vacation periods for department personnel.
6. Scheduling of vacations for firefighting forces and maintaining vacation records.
7. Assigning and scheduling members of the Uniformed Force to work on days off.

Bureau of Communications

Functions of the Bureau are supervised by a Captain, under the functional supervision of the Battalion Chief, Bureau of Assignments and Communications.

The duties of the Bureau are performed by two Lieutenants and three radio operators per shift. These duties are divided into three main functions:

As a Dispatch Center: Where all alarms and other emergency calls are received and evaluated. Necessary men and equipment are then dispatched to the incident. The Dispatch Center processed a total of 34,415 alarms during the fiscal year of 1975-76. This was an increase of 2,561 alarms from the year of 1974-75.

As a Communications Center: Where all radio communications between units in the field and the Dispatch Center are performed. A communications van is also available for dispatch from this center to incidents where needed.

As an Information Center: Where a complete library of hazardous materials and chemicals are kept along with the locations of special tools and equipment, that may be needed for emergency operations.

COMMAND AND CONTROL SYSTEM

The installation of the System was started on February 1, 1974 and is now nearing completion. The remodeling of Central Fire Alarm has been completed and all of the Command and Control equipment has been installed, both at Central Fire Alarm and at fifty-five other locations including forty-five fire stations. A daily test is conducted by contacting all locations and transmitting data via the computers.

On June 28, 1976, the Bureau of Communications was re-established in its permanent location at Central Fire Alarm and dispatching is now being done from the new Command and Control Dispatch Consoles with all radio traffic being handled by the new equipment.

When the System is operational, fire stations will receive alarm information via a teletype message giving the alarm location, responding units and other pertinent information. Stations will acknowledge receipt of the message by keying the teletype and will also be able to change their status in like manner. The station teletype is part of a fire station console which handles all of the alarm communications between a station and Central Fire Alarm.

System testing and personnel training is increasing daily and in a few months a parallel method of dispatching, using the computer system and the bell system simultaneously, should be in operation. Once parallel operation has been established, a gradual phasing out of the bell system will take place and the new system will be in full operation.

BUREAU OF EQUIPMENT



MINI PUMPER

BUREAU OF EQUIPMENT

The Bureau of Equipment is staffed with one officer and eight fire-fighters and is responsible for maintenance, lubrication, inspection of all apparatus. The Bureau is also responsible for procedures pertaining to the care and operation of all apparatus and equipment in the Fire Department.

During the fiscal year 1975-1976, the Bureau recorded more than 15,000 requests for equipment repairs, oxygen supplies, extinguisher exchanges and other services. Approximately 75 per cent required additional calls to other departments for processing.

During the past year, the Bureau has continued its driver evaluation and operational program. In order to keep pace with new equipment the Bureau also conducts spot checks on driving habits of regular and relief drivers.

The Bureau conducts annual pump tests and participates in high pressure tests. Also, they assist the Division of Training and the Division of Planning and Research on special projects; evaluates suggestions submitted by the Advisory Board; attends Oral Boards and pump operator evaluation tests for neighboring communities.

The Bureau responds to all greater alarms and accidents involving Fire Department equipment and provides fire fighting services both directly or by responding with special apparatus and operating them at the fire scene. The Bureau also provides emergency tow service for other city departments when requested.

Hose Complement

Contained in the following chart is the hose complement of the department, excluding short utility lengths, soft suctions, hydrant jumper lengths, circulators, multi-versal and house lengths. The maintaining of this record is the responsibility of the Bureau of Equipment.

S.F.F.D. Hose Complement to June 30, 1976

<u>Age</u>	<u>3"</u>	<u>2-3/4"</u>	<u>1-1/2"</u>	<u>1"</u>
10 yrs. or less	100%	29.5%	94.5%	34.5%
11 yrs. to 15 yrs.	0%	63.5%	5.5%	27.3%
Over 15 yrs.	0%	7.0%	0.0%	38.2%
Total	100%	100 %	100 %	100 %
Total Footage	38,150 ft.	114,850 ft.	65,500 ft.	23,750 ft.
Total footage in Hose Complement				
242,250 ft.				

Apparatus Status

	<u>In</u> <u>Service</u>	<u>In</u> <u>Reserve</u>
--	-----------------------------	-----------------------------

1,000 GPM Combination pumbers, Triple Combo -----	9	9
1,000 GPM Combination pumbers, Triple, (Diesel) -----	0	2
1,000 GPM Combination pumbers, Triple, (C.D.) -----	0	1
1,250 GPM Combination pumbers, Triple, (Diesel) -----	21	0
1,250 GPM Combination pumbers, Triple -----	11	0
1,500 GPM Combination pumbers, Triple, (Diesel) -----	3	0
50 GPM Combination Mini pumbers -----	4	0
Aerial Ladders - 100 foot - (Diesel) -----	12	0
Aerial Ladders - 100 foot -----	7	4
Aerial Ladders - 92 foot - (Diesel) -----	0	1
Aerial Ladders - 85 foot - (Diesel) -----	0	1
Snorkel - 85 foot - (Diesel) -----	1	0
Air Compressor -----	1	0
Automobiles - Chiefs' -----	15	8
Automobiles - Staff -----	34	0
Mini Buses -----	3	0
Coffee Unit -----	0	1
Fireboat -----	1	0
Foam Unit -----	0	1
Diesel Fuel Unit -----	0	1
Gasoline Fuel Unit -----	0	1
Hi-Expansion Foam Unit -----	0	3
Attack Hose Tenders -----	3	0
Hose Tenders -----	0	3
Hydrant Trucks -----	8	0
Hydrant Trucks, (Valve Units) -----	14	0
Pipe Dolly, (C.D.) -----	0	1
Pipe Trailer Unit, (C.D.) -----	0	1
Portable Compressor, 2-Wheel Unit Trailer -----	1	0
Rescue Trucks -----	2	1
Cliff Rescue Truck -----	1	0
Salvage Trucks -----	1	2
Utility Unit -----	0	1
Sand Truck -----	0	1
Searchlight Engine -----	1	0
Service Squads -----	2	0
Tow Truck -----	1	0
Tractors, Aerial (Relief) -----	0	2
Trucks, Auxiliary (500 GPM) -----	0	15
Trucks, Delivery -----	5	0
Trailers, Auxiliary (500 GPM) -----	0	3
Valve Unit -----	1	0
Water Rescue Unit -----	0	1

OFFICE OF EMERGENCY SERVICES

Emergency Services Fire Coordinator

Two Lieutenants as detailed by the Chief of Department, San Francisco Fire Department, work in cooperation with and under the guidance of the Director, Emergency Services to develop plans and procedures for coordinated inter-agency and inter-jurisdictional fire and rescue response in extraordinary emergencies; participate in Emergency Planning Committee meetings, seminars and workshops; confer with federal, state and other emergency oriented agencies; meet with other emergency services personnel of the City and County of San Francisco as necessary to establish and assist in the development and implementation of operations with appropriate emergency services elements.

The duties of the Fire Coordinator also consists of the following:

1. Provides assistance to building owners and managers and the public in the development of plans for such extraordinary disasters as nuclear attack, major fires and earthquakes.
2. Provides assistance in the development of emergency plans for major public buildings tailored to the life safety and survival of the occupants in extraordinary emergency situations such as fire, bomb threat, earthquake and nuclear attack.
3. Assists in maintaining accountability and inspections of the survival supply stockpile for San Francisco which includes keeping files and records of emergency stocks and their locations including radiological instrumentation.

Fire Reserve

The Fire Reserve is a unit of the San Francisco Emergency Services organized to augment the San Francisco Fire Department in times of a natural disaster or hostile military action. It is supervised by a Lieutenant of the Fire Department.

The members of the Fire Reserve are a group of dedicated citizens whose services are volunteered to the City and County of San Francisco without remuneration.

These men are a group of specially trained citizens. Training exercises are held weekly throughout the year. The Reserve also receives on-the-job training by observing and assisting the Fire Department at multiple alarm fires.

Fire Reserve (continued)

In the event of hostile military action, or of a natural disaster of a long duration, the Fire Reserve will be greatly expanded to assist in the safeguarding of the lives and property of our citizens. The present membership will be the nucleus of any required expansion.

Membership of the Fire Reserve, June 30, 1976 ----- 109

<u>Activities</u>		<u>Greater Alarms Responded to</u>	
Training Exercises-	44	Total	33
Total Attendance---	1,536	Total Attendance	284
Man Hours-Training-	4,005	Man Hours - Worked	738
Pumpers Used-----	84		

PHOTO UNIT NO. 1

Photography in our modern day fire department is being utilized more than at any other time in history. Fire prevention, fire and arson investigation, training, public relations and administration activities rely upon the effective photo unit services.

Our city provides an extraordinary opportunity for obtaining valuable fire ground photography of situations encountered by a large metropolitan fire department. As a result, fire fighting strategy and training activities have vastly improved in recent years, with corresponding improvements in all segments of our department. The Photo Unit traveled 5,566 miles in the fiscal year.

A summary of the Photo Unit activity during the fiscal year is recorded as follows:

Responses

Still Alarms	- 25	Third Alarms	- 17
First Alarms	- 79	Fourth Alarms	- 6
Second Alarms	- 15	Fifth Alarms	- 3

Bombing incidents - 5 - Rescue operations - 4 - Arson cases -12
Fire Department accidents - 8 - Fire Prevention - 3

San Francisco Fire Department Pioneer Memorial Museum

The San Francisco Department Pioneer Memorial Museum is located adjacent to the quarters of Station 10, at 655 Presidio Avenue, and is open to the public daily between the hours of 1300 and 1700.

During the period of July 1, 1975 to July 1, 1976, 3,230 people visited the museum.

S.F.F.D. Pioneer Memorial Museum (continued)

Students by themselves and large groups made visits in connection with their studies. They have ranged in age from those in grammar school to those in college. Groups from the Boy and Girl Scouts, the Jewish Community Center, Senior Citizen's, members of various Historical Centers, Recreation Centers and representatives from companies and corporations, along with many retired members of the department, as well as, visiting firefighters from many states of our country and of foreign countries.

COMMITTEE REPORTS

Fire Department Advisory Board

The San Francisco Fire Department Advisory Board, now in its twentieth year of existence, continues to convey valuable suggestions from members in the field, to the Chief of the Department. The Department has utilized the Board to assist the Administration in documenting and thoroughly researching each and every item received.

During the past fiscal year, this Board has reviewed a total of 12 suggestions. Of these: 4 were accepted; 2 were rejected; 2 are pending decision; 1 was tabled and 3 are still being researched by the Board.

Vehicular Accident Committee

A decrease in vehicular accidents occurred this past fiscal year, although the total alarms responded to increased by almost 2,561. Vehicular accidents decreased by 25, which is encouraging but far from the goals desired.

The intersection collisions increased by 7 over the previous fiscal year, which indicates more attention is needed in this area in the driver education program. These are the kind of vehicular accidents where personal injury is probably more likely to occur.

The new fiscal year will see the restoration of a formal Accident Hearing Committee consisting of the Chief, Division of Public Education and Internal Control, who shall be the Chairman, the Captain, Bureau of Equipment, the Secretary to the Fire Commission and a representative of Local 798, Firefighters Union.

Safety Committee

The Safety Committee consists of the Chief of the Division of Training, who serves as Chairman, a secretary and ten captains as staff members.

During the 1975-1976 fiscal year, there were 1,125 Lost Work Day (L.W.D.) injuries reported. This averaged out to 93.75 L.W.D. injuries per month compared to 75.58 during the 1974-1975 fiscal year. Of the total 1,125 injuries which occurred, 1,015 returned to work as of June 30, 1976 with a total of 16,101 Lost Work Days.

Safety Committee (continued)

During the 1974-75 fiscal year, there were 14,283 Lost Work Days. One hundred-ten (110) of the injured have not returned to work as of June 30, 1976. Approximately 26 of the 110, not returned to work, will take their pensions.

A breakdown according to company classification indicates the following disability injuries and lost work days:

	<u>Disability Injuries</u>	<u>Lost Work Days</u>
Engine Companies	592	8,418
Truck Companies	316	4,383
Airport Companies	44	927
Rescue Companies	38	595

These four companies classified had 990 L.W.D. injuries of the 1,125 total injuries in the Department and 14,323 of the 16,101 Lost Work Days. The remainder of the Lost Work Days were spread throughout other units of the Department. Also of the 110 men that have not returned to work, 87 were in the above categories.

Two Year Comparision
1974-75 & 1975-76

<u>Month</u>	<u>Total Injuries</u>		<u>Total L.W.D.s</u>		<u>Not Returned to Work</u>	
	1974-75	1975-76	1974-75	1975-76	1974-75	1975-76
July	76	74	1,604	1,567	0	1
August	81	91	1,683	1,287	1	6
September	62	112	1,389	2,145	1	4
October	89	96	1,766	1,343	1	2
November	45	92	462	1,671	1	6
December	68	81	1,012	1,316	2	5
January	84	100	1,436	1,464	4	5
February	58	93	925	1,489	6	7
March	91	95	1,435	1,034	7	14
April	85	91	988	1,077	9	8
May	82	100	912	845	11	16
June	86	100	671	464	32	36
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	907	1,125	14,283	16,101	75	110

Occupational Safety and Health Act Committee

The Occupational Safety and Health Act (OSHA) became Federal law on December 29, 1970. Its purpose is to improve job safety and health by reducing injuries, illnesses and deaths connected with working conditions. In early 1974, enforcement became the responsibility of the State of California under the Division of Industrial Safety (CAL/OSHA).

During the past fiscal year, the OSHA Committee has kept abreast of any changes in the law and made recommendations when necessary. In the area of protective gear, field experience was evaluated. When warranted, additional research was done to find safety equipment that would give firefighters the best available protection.

Much helpful input has resulted from meeting with the following groups: Members of the Fire Commission; Safety Committee; Division of Training; Bureau of Equipment; City Safety Consultants; San Francisco Firefighters Union; National Institute for Occupational Safety and Health (NIOSH); California Division of Industrial Safety (CAL/OSHA); Pacific Gas and Electric Company and various local safety equipment suppliers.

Radio Committee

With the new Command and Control System for the dispatching of fire apparatus now being tested, the Fire Department is also updating its radio equipment. An application has been made to the United States Federal Communication Commission for six (6) Ultra-high Frequencies (U.H.F.), which have been granted, for use in a three (3) channel fire department radio system.

At the present time, the Department of Electricity Radio Section is drawing up specifications for new radio equipment which will eventually replace the entire present radio system.

High-Rise Program Committee

The on-going program of Hi-Rise Building inspections or Target Hazard inspections, followed by a conference with the building or plant manager, has become an effective program for both the building management and for the Fire Department personnel.

These conferences encompass developing an emergency plan for the building if involved in fire, the effects of an earthquake or from a bomb threat. It also includes the proper procedures for notifying the fire department or other proper authorities of an incident in the building. It also may include recommendations for improvements or compliance with existing laws or ordinances.

High-Rise Program Committee (continued)

For the most part, the reception by building management has been very good.

The following is a compilation of Hi-Rise inspections, Target Hazard inspections and Conferences held during the fiscal year 1975-1976: Hi-Rise Insp.-61 - Target Haz.Insp.-156 - Conferences - 65.

B.A.R.T. Committee

During the past fiscal year, the emphasis of the B.A.R.T. Committee has been to conduct Battalion Drills at the stations along the route. B.A.R.T. officials have been most cooperative in arranging for these Sunday drills whenever possible.

The committee has continued to meet with transit officials and the numerous fire departments along the right-of-way. These meetings have proven to be very productive.

The San Francisco Fire Department B.A.R.T. Manual is now in the process of being published.

St. Francis Hook and Ladder Company Committee

In 1887, the San Francisco Fire Department hosted a fireman's muster, an event to which fire companies from various cities and towns competed to see who could pump water farther or haul hose faster. Eighty-nine years later another muster was held in the City, this time sponsored by the St. Francis Hook and Ladder Society with the Co-operation of the Department. The Great Earthquake and Fire Muster was held on the anniversary of the 1906 calamity and was the Department's contribution to the National and the City's Bicentennial Celebration.

A highlight at the muster was the return to San Francisco of the traditional old fashioned Fireman's Ball. The Ball was held in the decorated rotunda of City Hall.

Physical Fitness Program Committee

Since the inception of the weight control and physical fitness program, all members of the Fire Department have been checked for height and weight by the Department Physician.

In conjunction with the weight and physical fitness program, a year around supervised sports program involving softball, basketball, touch football, volleyball and tennis supplements the fitness program.

Physical Fitness Program Committee (continued)

The San Francisco Fire Department and the San Francisco Heart Association co-sponsored the First Firemen's Physical Fitness Seminar held in conjunction with the Fifth California Firemen's Summer Olympics, which were held June 16-19, 1976.

The Seminar covered lectures and demonstrations on measurement techniques for fitness, workout control techniques, motivation, stress-anxiety factors diet and nutrition problems.

Firefighters' Olympics Committee

Last Summer in Newport Beach, a bid was accepted by the California Firefighters Athletic Association for the 1976 Bicentennial Summer Olympics to be hosted by the San Francisco Fire Department and to be held in San Francisco commencing on June 16, 1976. The Olympics began in San Francisco as scheduled with the athletic site being San Francisco State University.

The year preceding the 1976 Summer Olympics was one of tremendous amount of planning and preparation. Very few colleges or universities can effectively entertain all of the athletic events scheduled for the Firefighters Olympics. The events were therefore taken separately and an adequate site selected. Most of the events were held on the San Francisco State campus or in the nearby vicinity. San Francisco firefighters were selected to act as chairmen for each athletic event, as well as, all the staff positions that are required to run the Olympics. Their obvious success would once again point out the diversification and expertise of the San Francisco firefighter.

The Olympics opened with 1,325 participants from many cities, towns and fire districts in the State of California. San Francisco was well represented.

It would appear from the performance of the San Francisco firefighters that the Physical Fitness Program in the San Francisco Fire Department is showing dividends.

In the 1976 Summer Olympics, San Francisco took approximately 156 medals. This would appear to be, at this time, the highest medal count for any city in the Olympics. All of the events ran smoothly and with the cooperation of the Athletic Department of the San Francisco State University, the overall picture of the Olympics was one of success.

Firefighters' Olympics Committee (continued)

The objects of the Firefighters' Olympics are to unite the fire departments and their members in the State of California, to promote physical fitness and good health for the members of the fire service and to promote better public relations, understanding and awareness of the fire service. This Olympics in 1976 did much to accomplish these objectives, it was even more momentous due to the fact that the first Olympics ever held was in San Francisco in 1972. The first Summer Olympics entertained approximately 400 athletes. It would appear to be a tremendous growth since that time. The best part of the growth is that it functions solely by firefighters and is self supporting.

The Olympic Committee and the Board of Directors of the California Firefighters Athletic Association would like to join together and thank Mayor George Moscone and his staff, the Board of Fire Commissioners, the business community, various city departments, Chief Andrew C. Casper and the San Francisco Fire Department for their assistance in making the 1976 Summer Olympics the largest success yet accomplished.

PLANNING AND RESEARCH



STATION 13
SANSOME AND WASHINGTON

DIVISION OF PLANNING AND RESEARCH

The Division of Planning and Research performs many roles in support of the operating forces including, but not limited to, station construction, station maintenance, overseer of the High Pressure System, consultant to developers of new construction regarding fire flow requirements, hydrant installation, Bond Issue initiation and subsequent administration, station furniture procurement and distribution and Fire Department representation concerning street pattern changes and accessibility.

Construction Program

Station 3, 1067 Post Street, after considerable delay, is near completion and will be ready for occupancy in August, 1976. This is a steel frame structure with masonry walls containing four levels of occupancy. This station comprises 10,100 square feet of construction.

Station 42, 2430 San Bruno Avenue, is the first station scheduled for reconstruction under the November, 1974 Bond Issue. If the final design is approved by the fire commission the project should be ready to go to bid in November of 1976 with construction scheduled for February, 1977. This is to be a two story-type 5-building with a partial basement. A side and rear yard will provide for a physical conditioning area and off street parking. This will be the first fire station constructed under the guidelines of the Command and Control System and will not be provided with the bell alarm system.

Station 25, 3305 - 3rd Street, will be remodeled with funds provided by the 1974 Bond Issue. The remodeling design was done by the Bureau of Architecture and is scheduled to begin in early September. The construction program was advertised for bid on July 14, 1976.

Station 40, 2155 - 18th Avenue, will also be remodeled under the 1974 Bond Issue. This design is being done by the Bureau of Architecture and should be ready to go to bid in late August with construction starting shortly thereafter.

Station Maintenance

Upkeep of stations and minor alterations are performed on a schedule based on assigned priority and as permitted by budgeted funds of the Bureau of Building Repair. Day-to-day repairs are processed by the Division of Planning and Research and forwarded to the Bureau of Building Repair.

BUREAU OF ENGINEERING AND WATER
SUPPLY

This Bureau, under the direction of a Senior Mechanical Engineer (Water Supply Superintendent), is responsible for the engineering and maintenance of the Auxiliary Water Supply System (High Pressure System), the maintenance of the hydrants connected to the domestic water supply system, the maintenance of Fire Department cisterns, the maintenance of standpipes on public and private buildings and for day-to-day professional engineering assistance as needed by the department.

During the past year, due to additions to the Auxiliary Water Supply System and changes in the city streets pattern, eleven (11) new high pressure hydrants were installed and thirteen (13) were re-located. Currently, there are 1,398 high pressure hydrants in service.

During this same period, five (5) low pressure hydrants have been installed, four (4) permanently removed and fifty-one (51) relocated. There are now 7,717 Fire Department hydrants and 220 private hydrants in service on the domestic supply.

There are 150 cisterns located throughout the city for emergency water supply; the majority of the cisterns contain 75,000 gallons each and are kept filled by the Bureau personnel.

Dry standpipes on buildings are tested by the Bureau before acceptance and after alteration or repair and are periodically serviced. In fiscal year 1975-76, eight-three (83) new standpipes were placed in service, forty (40) permanently removed and seventeen (17) altered or repaired. Records show 2,742 such standpipes in service.

The Bureau utilizes Electronic Data Processing to improve its records on hydrant and standpipe servicing in line with the standards established by the Insurance Service Offices. These records reveal a deficiency in frequency of such servicing due, in large part, to inadequate manpower, antiquated equipment and diversion of manpower, due to Redevelopment, Market Street Beautification and numerous private projects.

At the end of the fiscal year, two pumping units of Pumping Station No. 2 had been converted from steam to diesel operation. This is part of the work authorized under the November, 1971 Bond Issue.

FIRE PREVENTION AND INVESTIGATION



DIVISION OF FIRE PREVENTION AND INVESTIGATION

A survey of all Commercial and Industrial occupancies was completed in the 1975-1976 fiscal year. This survey is recorded in the city computer and will be transferred to the fire department Command and Control Computer System in the next fiscal year. A total of 11,844 buildings containing 21,600 individual occupancies has been recorded and forms a data base that can be retrieved for use during emergency field operations and for fire prevention inspections, investigations and updating. Similar information regarding apartment houses and hotels will also be entered in the Command and Control Computer System.

The Arson Information Retrieval System is in the third and final year of development. A terminal has been installed in Headquarters which permits investigators to query local, state and national criminal information systems concerning criminal incendiary investigations. The Microfilming (Microfiche) of all fire reports for the years 1970 through 1975 was accomplished and is ready for retrieval when needed.

BUREAU OF FIRE PREVENTION

The operations of the Bureau of Fire Prevention for the fiscal year 1975-1976 are reported in statistical form as follows:

Inspections and Corrections

Total number of New Inspections -----	10,422
Total number of Inspections -----	23,989
Total number of Corrections Obtained -----	21,809

Of the total number of Inspections listed above, 1,448 were Special Complaints from citizens regarding suspected fire hazards and 146 were Special Investigations of structures involved in Greater Alarms of Fire.

Permit Processing

Fire Department Permits

Three hundred eighty-four (384) applications for Fire Department Permits were filed in this Division. Posting and filing fees collected with these applications during the fiscal year totaled \$12,568.

Building Permits

During the fiscal year, 1,776 alteration plans were checked and processed by Fire Inspectors assigned to the Bureau of Building Inspection.

During the fiscal year, over 539 building plans for new construction were plan checked by the Fire Inspector assigned to the Bureau of Building Inspection.

Additionally, 1,396 building permits were processed and forwarded to District Fire Inspectors for continuing inspection of the construction until final completion and acceptance.

Occupancy Permits

Department of Public Health -----	407
Department of Public Works -----	275
Department of Social Services -----	284
Police Department -----	203
State Fire Marshal -----	417
Grand Total -----	<u>1,586</u>

Miscellaneous Reports and Communications

- (1) Five hundred forty-eight (548) reports from Battalion Chiefs were received concerning special building inspections and these reports were processed for investigation and abatement of violations.
- (2) Eight hundred sixty-nine (869) Notices of Code Violation and sixty-two (62) Notices of Violation were issued to obtain compliance with State and local safety codes.
- (3) Numerous meetings, special tests, inspections and Fire Prevention lectures were made and attended by the officers and members of the Bureau.

Fire Prevention Corrections

Automatic Sprinkler Heads Installed -----	621
Automatic Sprinkler Heads Replaced -----	815
Automatic Sprinkler Systems Installed/Extended -----	505
Automatic Sprinkler Systems Repaired/Tested -----	671
Buildings Boarded Up -----	61
Buildings Razed -----	204
Egress, Additional Means Provided -----	111
Emergency Procedures Developed -----	191
Exit Doors, Installed/Altered -----	319
Exit Obstructions Removed -----	313
Fire Alarm Systems Installed -----	309

Fire Prevention Corrections (continued)

Fire Alarm Pull Boxes/Bells Tested -----	873
Fire Doors & Door Closers Installed/Repaired ----	730
Fire Escapes Installed -----	166
Fire Escapes Repaired & Drop Ladders Provided ---	88
Fire Escapes, Obstructions Removed -----	163
Fire Extinguishers & Extinguishing Systems Installed/Serviced/Tested -----	6,245
Flammable Gas & Liquid Storage -----	393
Hoses & Nozzles Installed/Renewed -----	460
Metal Bins and Covers Provided -----	243
Miscellaneous Corrections Obtained -----	1,656
Miscellaneous Fire Hazards Removed -----	742
Nitrons Oxide/Oxygen Installations -----	92
Product of Combustion Detectors Installed/Serviced/Tested -----	1,239
Rubbish Conditions Removed -----	876
Signs and Lights Installed/Repaired (all) -----	3,138
Stairways, Installed or Enclosed -----	62
Stairways, Obstructions Removed -----	62
Stairways, Repaired -----	46
Standpipes, (all) Installed/Repaired -----	415
TOTAL CORRECTIONS -----	21,809

PRINCIPAL BUILDING OCCUPANCIES INSPECTED AND
IN WHICH FIRES OCCURRED

	New Insp.	Re- Insp.	Total Insp.	FIRES
Theatres	642	146	788	13
Public Assembly	1,635	1,931	3,566	179
Schools	748	1,201	1,949	68
Institutions	1,172	1,252	2,424	105
Hazardous	572	592	1,164	46
Business	2,318	3,663	5,981	308
Non- Hazardous	15	42	57	4
Residential	3,262	4,588	7,850	2,851
Vacant Buildings (all)	58	152	210	68
<u>TOTAL</u>	10,422	13,567	23,989	3,642

BUREAU OF FIRE INVESTIGATION

Field Activities:

(a)	<u>Investigation of Fires</u>	
	Special Investigations -----	1,017
	Follow-up Investigations -----	1,052
	Incendiary Origin-(All) -----	545
	Greater Alarms -----	146
	Undetermined Origin -----	50
	Burn Cases -----	79
	Deaths -----	47
(b)	<u>Arrests and Dispositions</u>	
	<u>Felonies:</u>	
	Arrests -----	29
	Convictions -----	16
	Cases Pending (June 30, 1976) -----	1
	Acquittals -----	9
	<u>Misdemeanors:</u>	
	Arrests -----	33
	Convictions -----	26
	Cases Pending (June 30, 1976) -----	1
	Acquittals -----	16
	Citations -----	3
	<u>Juveniles:</u>	
	Cases held under Juvenile Jurisdiction -----	10
	Not Cited -----	67
(c)	<u>Court Appearances and Testimony</u> -----	75
(d)	<u>Special Complaints</u> referred from Bureau of Fire Prevention	
	Investigations -----	91
	Follow-up Investigations -----	22

Office Activities:

(a)	Fire Records - Compiled and Maintained -----	34,360
(b)	Record Search and Copy -----	7,889
(c)	\$3,267.40 was collected and deposited in the General Fund for the processing and sale of copies of Fire Reports to Insurance Companies and other interested parties.	

In addition to the building occupancy fires previously listed, the following FIRES occurred during the Fiscal Year, 1975-1976:

Buildings - (Principal & Others) -----	3,793
Vehicles -----	1,251
Boats and Ships -----	19
Wharves and Piers -----	54
Miscellaneous -----	284
Grass and Rubbish -----	<u>3,436</u>
TOTAL -----	8,837

PUBLIC EDUCATION

NATIONAL FIRE PREVENTION WEEK

National Fire Prevention Week, emphasizing fire safety rules for the public, was observed from October 5th through 11th, 1975.

As a part of Fire Prevention Week, a program promoting multi-lingual fire prevention pamphlets was carried out by members of the Fire Prevention Bureau, working with members of the Chinese and Spanish speaking communities.

The local radio and television stations were most cooperative in providing generous coverage of Fire Prevention Week. Several public service announcements concerning fire safety were taped and broadcast by radio stations, which donated time to convey our messages to the public.

Fixed displays of fire department equipment and posters concerning fire safety were exhibited at the City Hall and the Federal Buildings.

Special efforts were made to visit both public and private elementary schools in the city, as well as senior citizen centers to present programs devised for these age groups on fire prevention and safety.

Members of the Fire Prevention Bureau conducted in-service training sessions to the staffs of medical facilities. In addition, over 50 presentations were given to the management of office, hotel and apartment buildings in regards to fire prevention and public safety.

LIAISON

Law Enforcement: (Federal Grant)

Project "Arson Detection and Identification" continues in its third year under federal funding. The electronic equipment installed in the Bureau of Fire Investigation is in daily use by the Investigators. As familiarity with the criminal justice system increases through the usage, the investigators will increase their efficiency through this time saving medium and the vast amount of information available to them.

The process of entering the retrieving San Francisco Fire Investigation Reports is in its final stage of testing. When accepted by the Fire Department the "software" will become a permanent part of the CABLE (Computer Assisted Bay Area Law Enforcement) system. Soon to follow will be the suspect phase of the project and the death/burn phase.

Microfiche equipment has been installed and is in use in the Bureau of Fire Investigation. Battalion Chief and field firefighting force reports for the years 1970 through 1975 have been reduced to thirty-one 3" rolls of film. Reproduction in hardcopy form is accomplished with ease and file maintenance, security and safety is established. The beginning stages of microfilming a minimum of seven years of fire investigation reports, as mandated by law, are now being undergone.

An arson awareness program was undertaken in October and November, 1975 in which fire companies on Fire Safety Survey distributed literature prepared by this office to the citizens throughout the city's ten fire districts. Bi-lingual handouts are now being prepared for distribution throughout Chinese and Spanish speaking areas in addition to further printing of the English version.

PORT FIRE MARSHAL

SAN FRANCISCO PORT COMMISSION

This is a brief summary of the operational functions of the office of the Port Fire Marshal during the fiscal year 1975-1976. One major alarm fire occurred to Port related properties during the fiscal year 1975-1976:

September 21, 1975 - 0159 Hours

A fifth alarm fire involved pier 37; the probable cause was smoking material igniting combustibles. The pier was completely destroyed by the fire and is now being removed to make way for new projects.

During the time covered in this Annual Report, a total of 261 alarms occurred to Port related properties. Overall fire incidents within the Port area have increased slightly. This becomes obvious when a contrast is provided between fiscal years:

<u>Occupancies and/or Types of Fires</u>	<u>Fiscal Year</u>	
	<u>1974-1975</u>	<u>1975-1976</u>
Piers, wharves, pilings, stringers or super-structure	34	54
Boats and Ships	8	19
Miscellaneous fires, or responses	84	87

Further implementation of the initial recommendation found in the survey of Port Commission waterfront areas of June 1, 1973 have continued with the razing of the super-structure of pier 44, and the installation of automatic sprinklers in the super-structure of pier 9.

Fire Prevention activities and inspections are the most important single segment of the Port Fire Marshal's duties. Approximately 23 welding and burning permits are issued to certain contractors on a quarterly renewable basis for utility and general maintenance purposes. Other permits and certificates issued that receive on-site inspections include those for hazardous cargoes, funigations, and welding and burning permits for one project jobs with the permit expiring upon job completion; these permits and certificates totaled 943 for the fiscal year.

Operations of the Port Fire Marshal are, in all phases, closely coordinated with the offices of the Port Commission, the Chief of the Fire Department, the Chief of the Division of Fire Prevention and Investigation, the United States Coast Guard, the Captain of the Port, the Bay Area Waterfront Fire Safety Council, and the Pier superintendents of shipping companies.

TRAINING



56TH GRADUATING CLASS

DIVISION OF TRAINING

During fiscal year 1975-1976, the Division of Training continued its function as the directional center of instruction for the Department.

Training during the year focused on the following:

1. Company Evaluations
2. Individual Evaluations
3. Instructional Sessions
4. Probationary Training

Company evaluations involve companies performing one or more drill evolutions at the training center. The type drills have been published in training bulletins distributed to stations. This concept of training places responsibility for instruction on the company officer. Written evaluations are made by Division of Training personnel and are on file. Reports of poor evaluations are sent to the company's Battalion Commander as well as its Captain.

Individual evaluations involve members performing a number of evolutions at the training center. The evolutions have been published in a new Drill Manual which was distributed to all stations. This concept of training, places responsibility on the individual as well as the company officer. Written evaluations are made by Division of Training personnel and are posted to the individuals' records. Reports of poor performances are sent to company commanders and re-testing is scheduled.

Instruction sessions involve direct training of personnel by Fire College staff officers of specialists from either the field or outside the department. These sessions included use of new tools or appliances prior to their being put in service, seminars on arson, Command and Control, high rise, metric system, traffic citation orientation, cardio-pulmonary resuscitation and instructor training.

Probationary training consists of an 8-week course. The course was conducted for two groups totalling 41 probationary firefighters. Of the 41 new men appointed during the fiscal year 1975-1976, two resigned.

Additional responsibilities of the Division of Training included: Assisting the Airport Division in their specialized training; aiding the Bureau of Equipment and Bureau of Engineering and Water Supplies in the testing of new equipment; budgeting, ordering and dispensing protective clothing for the fire fighting forces; assisting in the licensing of Department drivers; processing identification cards; issuing drill and training manuals and maintaining them in a current state; planning, re-searching, testing and evaluating drill evolutions, training courses and the instructional needs of the Department.

<u>Direct Training</u>		<u>Participating</u>
Drills and Evaluations	-	708 Company Crews
Individual Evaluations	-	3,298 Members
Probationary Training	-	41 New Members
Man-hours of Direct Training - 23,816		

Budgeting for, maintenance of, and instruction in the Departmental breathing apparatus program is under the jurisdiction of our Technical Supervisor. He is, additionally, the Department Specialist in emergency resuscitation and supervises instruction within the Department on both subjects. As a public service and on request from various organizations, the Department Technical Supervisor conducts a program of Public Education on Emergency Resuscitation.

Summary of Training performed by the Technical Supervisor is detailed as follows:

In-Service Fire Companies trained:

207 Companies and all Bureaus	-	1,917 men	-	7,668 man hours
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Probationary Training (CPR and First Aid):

2 Classes	-	41 men	-	656 man hours
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Public Education Training:

68 Lectures	-	1,959 persons	-	3,918 man hours
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There are now 50 resuscitators in service, distributed to our 43 engine companies, 2 rescue units, the fireboat, headquarters and the Technical Supervisor's car.

DIVISION PUBLIC EDUCATION AND INTERNAL CONTROL



DIVISION OF PUBLIC EDUCATION AND INTERNAL CONTROL

The Division of Public Education and Internal Control is under the direction of an Assistant Chief, who is assisted by a Director of Community Relations and a Director of Fire League Athletic and Musical Events (F.L.A.M.E.).

The functions of the Division are divided into the following principle endeavors:

Coordinator of Education

- a) Develops fire service education programs in schools, community organizations, private business and institutional organizations.
- b) Liaison with the mass media.
- c) Coordinates San Francisco Fire Department needs with the fire science curriculum at San Francisco City College.
- d) Serves as an advisor to the San Francisco Community College District Civil Service Advisory Committee.

Internal Control

- a) Carries out directives of the Chief and Deputy Chief of Department relating to disciplinary actions and personnel relations.
- b) Liaison with the Firefighters Local 798 and Department administration. Meet and Confer sessions, fact-finding and grievance procedures are all part of the duties of the Division of Public Education and Internal Control.
- c) Special projects as the Chief and Deputy Chief of Department may assign. Such projects have included development of the Satellite program and Chairman of Meritorious Advisory Board.

Community Relations

The Community Relations Bureau has initiated and implemented programs that attempted to resolve community perplexities as they relate to the Fire Department in the following manner:

- a) Meet with Community Organizations and Governmental Agencies when requested.
- b) Continue the School Visitation Program, whereas Fire Department apparatus is demonstrated on school yards and firefighter personnel engages in fire safety discussions with school children.
- c) Coordinates the Mayor's Summer Youth Employment Program for Fire Department assignees.
- d) Instrumental in setting up the recruiting mechanism to recruit and pre-train H-2 entry level Firefighter applicants. A total of 5,407 entry-level firefighter applications were received by Civil Service.

Community Relations (continued)

Ethnic Racial Representation was:

White	Males	2,626	48.57%	White	Females	174	3.22%
Black	"	1,150	21.27%	Black	"	74	1.37%
Latino	"	770	14.24%	Latino	"	24	.44%
Asian	"	276	5.10%	Asian	"	4	.07%
Filipino	"	160	2.96%	Filipino	"	3	.06%
Indian	"	49	.90%	Indian	"	2	.04%
Samoan & Other		87	1.61%	Samoan & Other		8	.15%

Toy Program - San Francisco Fire Department

The Christmas Season of 1975 marked the 28th anniversary of the San Francisco Fire Department Toy Program. It is estimated that during these 28 years over 100,000 children received some 1,000,000 toys, making this program the biggest of its type in the United States.

In 1975 alone, the 17 volunteers in the program distributed 75,000 toys to 9,600 children of San Francisco.

Fire League Athletic and Musical Events (F.L.A.M.E.)

Through the continued generosity and assistance of the members of the San Francisco Fire Department, the F.L.A.M.E. program again increased in size and activity during the 1975-1976 fiscal year.

F.L.A.M.E. now engages over 6,000 boys and girls in some of the finest baseball, basketball and soccer programs in the state.

We take particular pride in our efforts on behalf of the handicapped children of this area.

We regularly assist the students of Sunshine Orthopedic school in San Francisco on monthly bowling trips.

Additionally, scores of off-duty firefighters accompanied the children on a fishing outing at Lake Merced, during which, our personnel provided refreshments for over two hundred children.

Our year was successfully highlighted by a gala Bay Excursion Cruise during the month of May. Children from throughout the Bay Area assisted by firefighters from their locales, joined our men and the handicapped children of the city at Fisherman's Wharf, for a festive day. The Sixth Naval District Band played and Naval helicopters and the fireboat Phoenix went through maneuvers. Over 500 children and firefighters were taken out on the Bay and entertained.

FIRE FIGHTING AND RESCUE SERVICES



5TH ALARM
SACRAMENTO AND HYDE

FIRE FIGHTING AND RESCUE SERVICES

Headquarters Chief Officers

DIVISION NO. 1

Station No. 13 530 Sansome Street

Division No. 1

Battalion No. 1	Station No. 2	1340 Powell Street
Battalion No. 2	Station No. 36	109 Oak Street
Battalion No. 3	Station No. 8	36 Bluxome Street

DIVISION NO. 2

Station No. 5 1301 Turk Street

Division No. 2

Battalion No. 4	Station No. 38	2150 Calif. Street
Battalion No. 5	Station No. 21	1443 Grove Street
Battalion No. 7	Station No. 31	441 - 12th Avenue
Battalion No. 8	Station No. 40	2155 - 18th Avenue

DIVISION NO. 3

Station No. 7 2300 Folsom Street

Division No. 3

Battalion No. 6	Station No. 11	3880 - 26th Street
Battalion No. 9	Station No. 15	1000 Ocean Street
Battalion No. 10	Station No. 9	2245 Jerrold Avenue

Division of Airports

S. F. International Airport
Airport Rescue Co. No. 1, No. 2 and No. 3

Department Buildings

The various units of the Department are stationed in the following buildings:

- 1 Department Headquarters
- 44 Company Stations
- 2 Airport Company Stations
- 1 Division of Training
- 1 Communications Center
- 1 Assignment Center (located at Department Headquarters)
- 1 Bureau of Equipment Headquarters
- 2 Pumping Stations (High Pressure System)
- 1 Reservoir Station (High Pressure System)
- 2 Warehouses (Storage)
- 1 Deactivated Company Station
- 1 Pipe Yard Station (High Pressure System)

Organization

The voters overwhelmingly passed Proposition Q in the November, 1975 Election, which will change the basic tour of duty to some type of shift other than the 24-hour. The 10-hour/14-hour split shift seems to be the most feasible at this time. However, firefighting personnel have remained on the 24-hour shift pending the outcome of an appeal filed with the State Court of Appeals on the advice of the State Attorney General.

Apparatus and Equipment

An \$8,491,000 Bond Issue passed by the voters on November 2, 1971 has provided the citizens of San Francisco with increased, modernized fire protection. Special emphasis has been placed on acquiring new firefighting apparatus and equipment. The following apparatus purchased through the Bond Issue were placed in service during the 1975-1976 fiscal year:

Salvage Truck, Tow Truck and a rebuilt Search-light Unit on present chassis.

The following apparatus have not been received as of yet from the 1974-1975 Budget:

Two (2) Triple Combination Pumpers and one (1) Aerial Ladder Truck.

Truck Company No. 2 received a new 100-foot American LaFrance Aerial Ladder Truck from the 1973-1974 Budget during the last fiscal year.

No funds were provided in the 1975-1976 Budget for apparatus purchase, but funds for the purchase of one triple combination pumper were obtained from the Federally-Funded Community Development Program.

One major purchase of equipment during the 1975-1976 fiscal year was 45 - 2½" Akron Mauramatic Nozzles. These nozzles can be operated with less manpower than the older Gorter Nozzles.

Two new 50 foot wooden extension ladders were built at the Central Shops and four 35 foot wooden extension ladders are under construction at present. All of the wooden ladders used in the San Francisco Fire Department are built at our Central Shops.

FIRE FIGHTING
AND
RESCUE SERVICE



126 HYDE



1567 INNES

FIRE FIGHTING
AND
RESCUE SERVICE



126 HYDE



126 HYDE

FIRE FIGHTING
AND
RESCUE SERVICE



3RD ALARM
7TH AND MISSION



4TH ALARM
14TH AND NOE

FIRE FIGHTING
AND
RESCUE SERVICE



RESCUE 2
AUTO EXTRACTION



5TH ALARM
SACRAMENTO AND HYDE

MERITORIOUS COMMENDATIONS

On April 7, 1976, the Fire Commission accepted the recommendations of the Fire Department Merit Advisory Board concerning Meritorious Awards to the following Department members:

Class "A" Awards

Chief's Operator James P. Lyons	
Fireman Nicholas J. Cabot	Fireman Joseph P. Collins

Class "B" Awards

Lieutenant William J. Azich - 2 awards	
Lieutenant John T. Kern	Fireman Mark J. Johnson
Fireman Lloyd W. Chambers	Fireman James C. Riley
Fireman William M. Disbury	Fireman John M. Stark

Class "C" Awards

Lieutenant Phillip C. Favro	
Lieutenant William J. Murray	Fireman Matias P. Cobo
Fireman Robert G. Boudoures	Fireman William M. Disbury
Fireman William G. Carey II	Fireman Stephen H. Pfeifer

Class "D" Awards

Inspector Robert C. Willett	Fireman Michael R. Lewis
Lieutenant Edward J. Begley	Fireman Jerry D. Mifsud
Lieutenant Earl G. Shuholm	Fireman John W. Skidmore
Fireman Edmund J. Bordenave	Fireman Kevin T. Walsh

There were eleven (11) Unit Citations awarded and thirty-nine (39) Letters of Commendation awarded.

The Merit Advisory Board awarded a "Public Recognition Award" to Mr. Peter Alvarado, 1023 Wisconsin Street, San Francisco, California for his efforts in the rescue of a man and boy from the Bay near Pier 70 on September 17, 1975.

FIRE FIGHTING AND RESCUE SERVICES

Recapitulation of Fire Department Response, 1975-1976.

a) Transmission of Alarms:

	<u>Bell Alarms</u>	<u>Still Alarms</u>	<u>Total Alarms</u>
Actual Fires -----	4,292	4,489	8,781
False Alarms -----	11,602	302	11,904
Vicinities -----	120		120
Major Alarms -----	146		146
Special Calls -----	62		62
Miscellaneous (No Fires) -----	<u>1,861</u>	<u>11,486</u>	<u>13,347</u>
TOTAL -----	18,083	16,277	34,360
No Alarm -- Fires -----			<u>56</u>
GRAND TOTAL OF ALARMS -----			34,416

b) Fires:

Bell Alarms -----	4,292
Still Alarms -----	4,489
No Alarm -- Fires -----	<u>56</u>
Total Fires -----	8,837

c) Special Calls in conjunction with Other Alarms --- 62

d) Major Alarms:

Second Alarm -----	107
Third Alarm -----	29
Fourth Alarm -----	6
Fifth Alarm -----	<u>4</u>
Total Major Alarms -----	146

e) Classification of Buildings in which Fires Occurred:

Type 1 -----	518
Type 2 -----	87
Type 3 -----	887
Type 4 -----	19
Type 5 -----	<u>2,282</u>
Total Building Fires -----	3,793

f) Extent of Fires:

	<u>Yes</u>	<u>No</u>
Confined to Floor of Origin -----	3,638	155
Confined to Building of Origin -----	3,696	97

MERITORIOUS COMMENDATIONS

CLASS "A" AWARD



FIREMAN
NICHOLAS J. CABOT



FIREMAN
JOSEPH P. COLLINS



OPERATOR
JAMES P. LYONS

MERITORIOUS COMMENDATIONS

CLASS "B" AWARD



LIEUTENANT
WILLIAM J. AZICH
TWO AWARDS



FIREMAN
LLOYD W. CHAMBERS



FIREMAN
WILLIAM DISBURY



FIREMAN
MARK J. JOHNSON



LIEUTENANT
JOHN T. KERN



FIREMAN
JAMES C. RILEY



FIREMAN
JOHN M. STARK

Type of Response: (Fiscal Year 1975-1976)

Building Fires:

Theatres and Motion Picture Theatres -----	13
Public Assembly -----	179
Schools -----	68
Institutions -----	105
Hazardous -----	46
Business -----	308
Residential -----	2,851
Vacant Buildings -----	68
Other, Miscellaneous Buildings -----	<u>155</u>

Sub-Total (Total Building Fires) -----	3,793
--	-------

<u>Vehicle Fires</u> -----	1,251
----------------------------	-------

<u>Wharf and Pier Fires</u> -----	54
-----------------------------------	----

<u>Boat and Ship Fires</u> -----	19
----------------------------------	----

<u>Grass and Rubbish Fires</u> -----	3,436
--------------------------------------	-------

<u>Miscellaneous Fires</u> -----	<u>284</u>
----------------------------------	------------

<u>TOTAL FIRES</u> -----	8,837
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<u>Emergencies Other than Fire</u> (Incl. 902 Resuscitations) ----	13,347
--	--------

<u>Vicinities</u> -----	120
-------------------------	-----

<u>Greater Alarms</u> -----	146
-----------------------------	-----

<u>Special Calls</u> -----	62
----------------------------	----

<u>False Alarms</u> -----	11,904
---------------------------	--------

<u>GRAND TOTAL OF ALARMS (Total Response)</u> -----	34,416
---	--------

CAUSES OF ALARMS:

AUTOMOBILES: (and other vehicles)

Backfiring through carburetor -----	409
Colliding with fire alarm box -----	7
Colliding with fire hydrant -----	129
INCENDIARY -----	87
Motor Igniting -----	91
Overheated brakes -----	22
Overheated transmission -----	9
Smoking, igniting seats and upholstery -----	326
Wiring -----	236

Causes of Alarms: (Continued)

BOMBS -----	13
Burning Torch Igniting Combustibles -----	68
Candles, Igniting Combustibles -----	39
Chimneys:	
Defective and/or Overheated -----	10
Sparks from igniting combustibles -----	12
Debris Box -----	48
Dumps -----	10
Electric:	
Automatic Alarms Accidentally Actuating -----	648
Blankets and Heating Pads -----	6
Burning Paint from buildings -----	11
Dishwashers -----	13
Dryers -----	43
Elevators -----	62
Extension Cords -----	59
Fluorescent Lights -----	71
Fuses Blown -----	10
Garbage Disposal -----	3
Globe, Igniting Inflammables, too close -----	25
Heater -----	73
Hot Plate -----	28
Iron -----	7
Manhole and Underground Vaults -----	8
Motors -----	51
PG&E Wires and Poles -----	216
Radio -----	4
Refrigerator Motors -----	25
Sign Boards -----	5
Stoves -----	79
Television -----	38
Toasters -----	10
Transformers -----	24
Washing Machines -----	28
Wiring, defective in buildings -----	364
FALSE ALARMS: -----	11,904
Fireplace -----	54
Fireworks -----	33
Friction -----	8
Gas:	
Boilers -----	37
Dryers -----	36
Escaping and Igniting -----	10
Furnaces -----	99
Stoves, burnt food -----	554
Stoves, overheated -----	106
Water Heater -----	90
Gasoline Vapors Igniting -----	27
GRASS AND RUBBISH -----	3,436
Grease in flue igniting -----	48
Hot Ashes Igniting Combustibles -----	13
INCENDIARY -----	451
Juveniles, with Matches, Igniting Combustibles -----	231
Lock-outs and Lock-ins -----	727

Causes of Alarms: (continued)

Mistaken Alarms -----	1,666
MOLOTOV COCKTAILS -----	7
Refrigerator Systems, Leaking -----	97
REKINDLE -----	11
Smell of Gas -----	432
Smell of Smoke -----	1,038
SMOKING:	
Igniting Awnings -----	61
Igniting Bedding and Mattresses -----	460
Igniting Chesterfields and Chairs -----	106
Igniting Combustibles -----	941
Igniting GARBAGE CHUTES -----	88
SPECIAL SERVICES:	
Assists and Rescues -----	2,074
Resuscitations -----	902
Other-----	2,188
Spontaneous Combustion -----	20
Sprinkler System Actuating -----	174
Steam Mistaken for Smoke -----	43
Tar Kettle Igniting -----	7
UNDETERMINED -----	50
Vapors, Inflammable Igniting -----	42
VICINITIES -----	120
Washdown Streets -----	1,595
Water Leaking -----	795
TOTAL -----	34,208
GREATER ALARMS -----	146
SPECIAL CALLS -----	62
GRAND TOTAL OF ALARMS -----	34,416

CITY AND COUNTY OF SAN FRANCISCO
FIRE LOSS STATISTICS
1975 -- 1976

	<u>1974-1975</u>	<u>1975-1976</u>	<u>+ or - Change</u>
TOTAL FIRES -----	8,634	8,837	+ 203
TOTAL ALARMS -----	31,854	34,416	+2,562
TOTAL FALSE ALARMS -----	11,112	11,904	+ 792
INCENDIARY ORIGIN (incl Autos)-----	489	545	+ 56
FELONY ARRESTS -----	13	29	+ 16
FELONY CONVICTIONS -----	10	16	+ 6
FIRE DEATHS -----	47	47	-0-

Fires by Occupancy

RESIDENTIAL:

Apartments -----	1,530	1,468	- 62
Boarding Homes & Rooming Houses -----	18	13	- 5
Convent -----	2	2	-0-
Dwellings (1 & 2 family) -----	1,107	1,034	- 73
Hotels -----	330	329	- 1
Motels -----	6	5	- 1
Total Residential -----	<u>2,993</u>	<u>2,851</u>	- 142

PUBLIC ASSEMBLY (Incl.Theatres) -----	164	192	+ 28
SCHOOLS -----	118	68	- 50
INSTITUTIONS -----	98	105	+ 7
HAZARDOUS OCCUPANCIES -----	39	46	+ 7
BUSINESS -----	287	308	+ 21
NON-HAZARDOUS -----	0	4	+ 4
VACANT BUILDINGS -----	80	68	- 12
OTHER MISCELLANEOUS BUILDINGS -----	<u>191</u>	<u>151</u>	- 40

TOTAL BUILDING FIRES -----	3,970	3,793	- 177
VEHICLES -----	1,212	1,251	+ 39
WHARVES AND PIERS -----	34	54	+ 20
BOATS AND SHIPS -----	8	19	+ 11
MISCELLANEOUS FIRES -----	341	284	- 57
GRASS AND RUBBISH -----	<u>3,078</u>	<u>3,436</u>	+ 358
TOTAL FIRES -----	8,643	8,837	+ 194

Most Frequent Causes of Fires

Smoking and Matches (Incl. Juveniles and Autos)-----	1,703	2,213	+ 510
Electrical -----	1,425	1,911	+ 486
Heating & Cooking Equipment -----	943	932	- 11

SUMMARY OF RELEVANT FIRE STATISTICS

FISCAL YEAR 1975 - 1976

Occupancies Where Deaths Occurred

Apartments -----	25
Dwellings (1 & 2 family) ----	11
Hotels -----	8
Motels -----	1
Hospital -----	1
Vehicles -----	<u>1</u>
Total -----	47

Fatalities by Age Group

	<u>No.</u>	<u>Per Cent</u>
Under fifteen years of age -----	4	8.51
Fifteen to sixty-four years of age -----	28	59.58
Sixty-five years of age and over -----	<u>15</u>	<u>31.91</u>
Total (Male:31 - Female:16) -----	47	- 100.00

Most Frequent Causes of Fire

	<u>San Francisco</u>		<u>United States</u>
	<u>1974-1975</u>	<u>1975-1976</u>	<u>Annual Average of 5-year</u> <u>Period -- 1970 - 1974</u>
Smoking and Matches (incl.Autos)	1,703	2,213	114,420
Electrical	1,425	1,911	160,980
Heating and Cooking Equipment	943	932	89,520

Salvage Operations

Salvage operations are a primary function in the San Francisco Fire Department. Quick and efficient application of salvage equipment has been responsible for greatly reducing the fire and property loss during the past fiscal year.

Response is not limited to fires only; many times this service is provided for wind storms, rain damage, broken water pipes and other water leaks.

The following salvage operations were performed during the fiscal year 1975-1976:

Salvage covers spread -----	95
Roof covers spread -----	220
Sprinkler heads replaced -----	267
Roofing paper (Rolls) -----	10
Polyethylene (Rolls) -----	20
Rental fees for covers -----	\$ 9,452.00

Fire Safety Survey - 1975-1976

The Fire Safety Survey Program is a three-phase public service operation of the Fire Department involving the assignment of in-service companies of the firefighting service to field inspections. The three phases of the program are:

- a) Home Inspection
- b) Structural Survey
- c) Area Orientation

- a) Home Inspection is part of the program designed to detect and correct the common fire hazards that may be present in the home and be of assistance to the residents in making their home fire safe thus reducing dwelling fire and life loss.
- b) Structural Survey involves companies familiarizing themselves with the various firefighting features of larger buildings in their respective areas. Such features as sprinkler systems, standpipe systems, fire escapes and building egress are evaluated.
- c) Area Orientation involves the location of hydrants, fire alarm boxes, narrow or congested streets and cisterns for fire use in the companies area.

Fire Safety Survey - 1975-1976 (continued)

Home Inspections:

Total Homes Contacted -----	2,890
Total Homes Admitted -----	978
Total Homes "Not In" -----	1,462
Total Homes Declined -----	613

Structural and Area Surveys

Total Buildings and Areas Surveyed -----	930
Total Company Inspection Hours -----	2,820

Hazards Detected

Electrical -----	70
Smoking - Matches -----	68
Flammable Liquids -----	122
Stoves - Heating -----	15
Rubbish Storage -----	238
Miscellaneous -----	49

Water Rescue and Firefighting Scuba Unit

The unit continues to expand its emergency operations and training program under the command of a chief officer. It consists of 55 well trained and certified members which includes four (4) nationally certified instructors.

Both firefighting rescue units have members of the scuba unit on duty during each watch. These men respond to all water oriented emergencies. The fully equipped water rescue apparatus is housed near the waterfront at Station #16.

Service for Fiscal Year 1975 - 1976

Emergency Service	-	42 Runs	-	43 hours
Drills	-	26	-	122 hours

Harassment - Incidents

During the fiscal year of 1975-1976, six (6) incidents involving harassment occurred.

Firefighting continues to be one of the most hazardous occupations in the United States. The following is a list of disabling or lost time injuries suffered by members of the Department during the fiscal year 1975-1976, indicating nature of injury, part of body affected and the activity taking place at the time of injury:

Nature of Injury

1. Burns except eyes, including chemical burns -----	25
2. Burns, eyes -----	19
3. Lacerations & Punctures -----	30
4. Strains - Sprains - Dislocations -----	348
5. Hernias -----	6
6. Crushing injuries -----	12
7. Fractures or suspected fractures -----	29
8. Foreign body in eye, eye irritation, conjunctivitis, etc. -----	32
9. Bruises & Contusions -----	175
10. Upper respiratory disease (including smoke inhalation) -----	46
11. Dermatitis (skin disorder) -----	23
12. Other occupational disease -----	24
13. Not elsewhere classified -----	7

Part of Body Affected

1. Eyes -----	40
2. Head - Face - Neck -----	27
3. Heart & Possible Heart -----	26
4. Back - Spine -----	128
5. Trunk - Other than Back -----	52
6. Upper extremities -----	210
7. Lower extremities -----	173
8. Not elsewhere classified -----	5

Activity Involved

1. At Fires -----	392
2. Other Emergencies -----	38
3. Responding on Apparatus -----	62
4. Returning on Apparatus -----	38
5. Accident in Quarters -----	228
6. Training -----	57
7. Not elsewhere classified -----	9

Disability injuries in the above listed category, "Responding on Apparatus" and "Returning on Apparatus", are primarily from stepping on the apparatus or stepping off the apparatus during preparation to leave quarters and upon the return after responding to an alarm.

DIVISION OF AIRPORTS



DIVISION OF AIRPORTS

Organization

The Airport Division is composed of a Division headquarters and three (3) subordinate Airport companies. The Division office and Airport companies 1 and 3 are located in Rescue Station No. 1, facing Alpha (A) taxiway between Sierra (S) and Romeo (R) taxiways. Airport company No. 2 is in Station No. 2, located 750 feet north-west of the intersection of taxiways Charlie (C) and Echo (E). The Fire Inspector's office is located in the Planning and Engineering building at the intersection of roads R-3 and R-5.

The Division Chief, training officer and fire inspector work a five (5) day week, 0800 to 1700 hours and are subject to recall in their off-duty status. All other personnel work the standard tour of duty for the San Francisco Fire Department.

Training

Training of Division personnel is conducted daily. Supervision is under the Division Chief and training is conducted by the Training officer and Company officers. The guidelines for training are those recommended in applicable Federal Aviation Administration Advisory Circulars, the National Fire Science Training Center and applicable San Francisco Fire Department Manuals. The Airport Division operates station drills from a separate schedule of drills pertinent only to the airport.

Emergency Alarms

Classification of alarms is as follows: Alert #1 is a potential aircraft accident or emergency, but aircraft is not expected to land at the airport for at least five (5) minutes; Alert #2 is accident in progress or imminent; Code 10 is bomb threat; and others are self explanatory.

Alert #1	178	<u>First Aid Response</u>	
Alert #2	28	Resuscitations	702
Fire Alarms	493	Cardiac Compressions	194
First Aid	1,148	Misc. First Aid	252
Fuel Spills	74	<u>Total</u>	1,148
Code 10	62	Service	1,648 hrs
			55 Minutes

Fire Prevention and Investigation

New Construction Plans Reviewed -----	56
Alteration Plans Reviewed -----	216
Welding and Burning Permits Issued -----	376
Fire Prevention Talks -----	78
Fuel Spills Investigated -----	63
Fuel Tank Trucks Inspected -----	286
Emergency Night Calls -----	76
Fire Marshal Meetings Attended -----	29
Airport Administration Meetings Attended -----	96
Off-Duty Night Public Assembly Work -----	29

Responsibilities

The Airport Division is responsible for:

1. Aircraft rescue and fire protection to standards specified in Federal Aviation Regulation (FAR) 139 and to applicable Advisory Circulars (AC) as directed by the Federal Aviation Administration (FAA).
2. Structural fire protection to applicable local, state and national codes.
3. Emergency first-aid and resuscitation.
4. Water rescue immediately adjacent to the Airport.
5. Fire prevention and investigation.
6. Administrative management to include: budget preparation, development of equipment specifications, acceptance testing of equipment, contracts, permits, planning, maintenance of records and personnel management.
7. Aircraft CFR, structural fire, first-aid and CPR training to the standards of the Fire Department of San Francisco, State and Federal directives.

Certification

The Airport Division has been certified by the Department of Transportation (DOT) as meeting the requirements of FAR-Part 139 for Class E airport. This was confirmed by an FAA inspection in January 1976.

DEPARTMENT CHAPLAINS
AND
PHYSICIAN



REVEREND
RONALD GRUMM
PROTESTANT



RABBI
MARTIN WEINER
JEWISH



REVEREND
JOSEPH A.O'CONNELL
CATHOLIC



DOCTOR
V.P. BONFILIO

In Memoriam

Assistant Chief

Fitzpatrick, J. 3/14/76 R

Battalion Chief

McGovern, E.T. 4/18/76 R

Captain

Kolby, H.C. 7/29/75 R

Bernsdorf, L.J. 1/04/76 R

Lieutenant

Nouguier, E.J. 10/27/75 R

Regimbal, A. 11/19/75 R

Moran, T.P. 11/24/75 A

Fahey, F.W. 1/01/76 R

Doran, J.J. 1/23/76 R

Mahan, G.J. 1/30/76 R

Chief's Operator

Kuersten, A.C. 8/16/75 R

Lane, J.J. 2/11/76 R

Firefighter

O'Leary, P. 8/02/75 R

Medin, W.E. 8/24/75 R

Felt, C.L. 8/27/75 R

Kerrigan, J.A. 8/28/75 R

Broussal, R.A. 9/27/75 R

Pinosky, O.J. 10/03/75 R

Gordon, M.V. 10/31/75 R

McCarthy, G.J. 11/23/75 R

Fanning, J.H. 11/28/75 A

Knudsen, T.G. 12/06/75 R

Gray, E.A. 12/24/75 R

Mahoney, C.F. 1/01/76 R

Chambers, L.W. 1/08/76 A

Bean, C.J. 1/17/76 R

Commander - Fire Reserve

Maestri, G. 5/07/76 A

Witt, R. 4/30/76 R

Lennon, T.A. 5/11/76 R

McTaggart, E.T. 3/01/76 R

McTernan, C.A. 3/07/76 R

Desmond, M. 3/14/76 R

Landini, R.P. 6/09/76 R

Aubertin, E.J. 6/18/76 R

Chadwick, L. 3/04/76 R

Bartel, C.D. 6/20/76 R

Bauer, J. 2/04/76 R

Pierini, R.M. 2/05/76 R

Schneider, A.R. 2/09/76 R

Pettingill, P.A. 2/11/76 R

Moynihan, C. 2/25/76 R

Bevilockway, H.L. 3/25/76 R

Feeney, S.P. 4/07/76 R

Boccone, A. 4/10/76 R

Schad, D.E. 4/12/76 R

Canepa, A.V. 4/16/76 R

Sandoval, F. 5/08/76 A

Harrington, J.L. 5/13/76 R

Huth, C.W. 6/23/76 R

(R - Retired A - Active)

SAN FRANCISCO FIRE DEPARTMENT



ANNUAL REPORT 1976-1977

DOCUMENTS

SEP 23 1977

SAN FRANCISCO
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Honorable
George R. Moscone
MAYOR

FIRE COMMISSION



Honorable	Honorable	Honorable	Honorable	Honorable
Agnes Barnhill	Juanita DelCarlo	John P. Figone, Jr.	Curtis McClain	Joyce J. Ream
Commissioner	Commissioner	President	Commissioner	Vice-President



Raymond G. Connors, Jr.

SAN FRANCISCO FIRE DEPARTMENT



ANDREW C. CASPER...CHIEF OF DEPARTMENT



EMMET D. CONDON...DEPUTY CHIEF OF DEPARTMENT

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Andrew C. Casper



CHIEF OF DEPARTMENT

CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO FIRE DEPARTMENT



ANDREW C. CASPER
CHIEF OF DEPARTMENT

EMMET D. CONDON
DEPUTY CHIEF OF DEPARTMENT

260 GOLDEN GATE AVE.
SAN FRANCISCO, CA 94102

September 10, 1977

Honorable President and
Members of the Fire Commission

Ladies and Gentlemen:

I respectfully submit the Fire Department's 1976-1977 Annual Report in accordance with Charter Section 3.501.

In this comprehensive summary of the department's activities, its accomplishments and programs are reviewed in narrative and statistical detail with relevant facts and figures. I am pleased to report that last year the department was able to fulfill its basic mission to provide adequate fire protection in the face of a drought situation and despite budgetary restrictions and personnel reductions, that are presently at a record low, while combating some of the most difficult fires on record.

Within these budgetary and personnel limitations, the department nevertheless increased its productivity especially in the area of public education and information for maximum fire prevention. Such programs as Fire Service Education for school-age children and the city-wide Home Fire Safety Survey heightened public awareness about fire prevention and resulted in a lower incidence of fires and false alarms in San Francisco. Also, the training of the general public in Cardio-Pulmonary Resuscitation (CPR) was helpful in the preservation of many lives.

In statistical terms, compared with the previous fiscal year, an encouraging downward trend in fire-related incidents was noticeable. For instance, the following decreases occurred:

a. Total Fires	down 14.8%
b. False Alarms	down 24.1%
c. Civilian Fire Deaths	down 14.6%
d. Firefighter Injuries	down 25%
e. Lost Work Days Due to Injuries	down 27%
f. Department Vehicular Accidents	down 28.5%

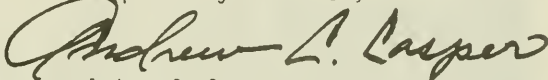
The above results could not have been achieved without the dedication of all employees in the department, particularly our firefighters. Although their promotions were long delayed for budgetary

reasons and an entry level job freeze existed, morale has been high and there were no major personnel problems during the year. I wish to thank each and everyone in the department for contributing to its overall fine performance.

So that this report does not give the impression that reductions occurred in every category, mention must be made of the persistent rise in the most serious and costly of all crimes--Arson. This crime has risen 789% in the past fifteen years. Nationally, the increase is even worse. This department will implement an innovative plan very shortly in an attempt to curtail the arson problem.

I wish to take this opportunity to express my sincere appreciation to Mayor George R. Moscone, the Fire Commission, the Board of Supervisors and other officials for their cooperation and assistance. Last, but not least, appreciation is extended to public spirited citizens, the press, radio and television for their continued understanding and support.

Respectfully submitted,

A handwritten signature in dark ink, reading "Andrew C. Casper". The signature is fluid and cursive, with the first name "Andrew" written in a larger, more prominent script than the last name "Casper".

Andrew C. Casper
Chief of Department

ADMINISTRATION



ADMINISTRATIVE STAFF

CHIEF STAFF OFFICERS

SAN FRANCISCO FIRE DEPARTMENT

Specialized Auxiliary Service
Headquarters
260 Golden Gate Avenue

Bureau of Administration	Room 225
Joseph A. Sullivan - Secretary to Chief of Department	
Division of Fire Prevention and Investigation	Room 327
Charles W. Carli - Assistant Chief of Department	
Division of Planning and Research	Room 210
Robert Rose - Assistant Chief of Department	
Division of Public Education and Internal Control	Room 309
John Sherratt - Assistant Chief of Department	
Bureau of Assignments	Room 208
Frank Allen - Battalion Chief	
Office of Emergency Services	
(Fire Coordinator) - Peter Turdici - Lieutenant	

Division of Training	2310 Folsom Street
Andrew J. Brandi - Assistant Chief of Department	

STAFF OFFICERS

Bureau of Equipment	2501 - 25th Street
Clayton B. Frazee - Captain	
Bureau of Communications	1003 Turk Street
Eugene G. Calamoneri - Captain	
Bureau of Community Relations	Headquarters - Room 309
Earl Gage - Director	

NON-UNIFORM

Secretary - Fire Commission	Room 204
Raymond G. Connors	
Bureau - Engineering & Water Supply	Room 219
Gilbert G. Bendix - Superintendent	
Physician - Department	Room 307
Victor P. Bonfilio, M.D.	

PERSONNEL

Employments

The number of authorized employments for the Fire Department totaled 1,763 for the fiscal year 1976-77. This was a decrease of seventy-five below 1975-76. The total Fire Department authorized employments for 1976-77 are detailed as follows:

<u>UNIFORMED FORCE</u>	<u>NON-UNIFORMED FORCE</u> <u>Headquarters Office</u>
1 - Chief of Department	5 - Member, Fire Commission
1 - Deputy Chief of Department	1 - Secretary, Fire Commission
1 - Secretary to Chief of Department	1 - Physician (Part Time)
16 - Assistant Chief of Department	1 - Principal Accountant
43 - Battalion Chief	1 - Principal Clerk Stenographer
84 - Captain	1 - Sr. Payroll & Personnel Clk.
223 - Lieutenant	2 - Payroll Clerk
57 - Chief's Operator	2 - Sr. Clerk Stenographer
1233 - Fire Fighter	1 - Clerk Stenographer
3 - Pilot, Fireboat	3 - Senior Clerk Typist
3 - Marine Engineer, Fireboat	2 - Clerk Typist
2 - Captain, Bur. Fire Prevention	1 - Photographer
4 - Lieutenant, Bur. Fire Prevention	
34 - Inspector, Bur. Fire Prevention	
1 - Lieutenant, Bur. Fire Invest.	21 - Total - Headquarters Office
7 - Investigator, Bur. Fire Invest.	
	<u>Bur. Engineer & Water Supply</u>
1714 - Total - Uniform Force - 97.221%	1 - Supt., Bur. Water Supply
	1 - Foreman, Bur. Water Supply
	1 - Sub-Foreman, Bur. Water Supply
	2 - Chief Stationary Engineer
	9 - Stationary Engineer
	12 - Utility Plumber
	2 - General Laborer
	28 - Total - Bur. Engineer & Water Supply
	49 - Total - Non-Uniform - 2.779%

TOTAL AUTHORIZED EMPLOYMENTS

July 1, 1976

1,763

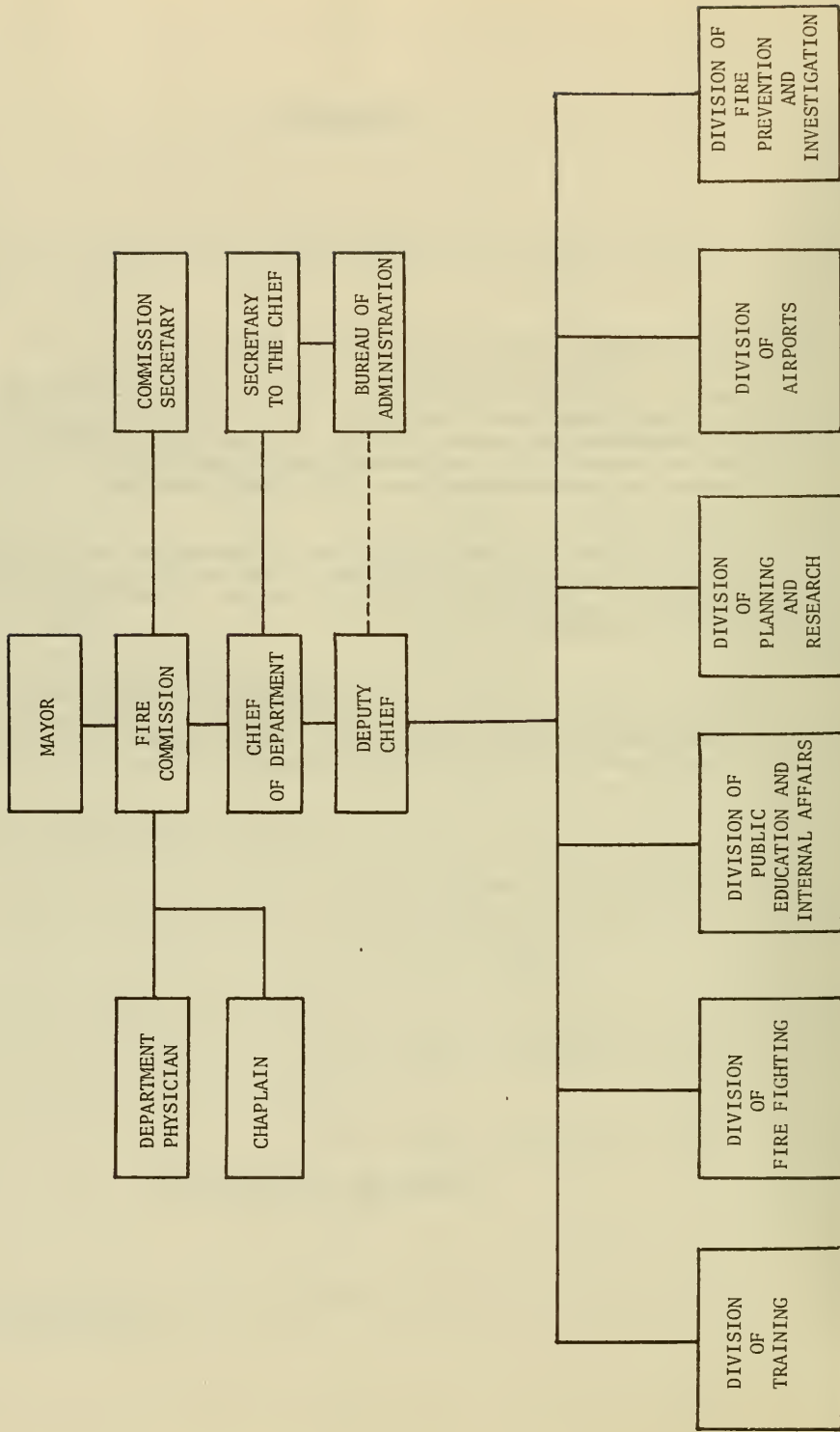
Specific assignments of these employments are detailed on the authorized personnel assignment chart.

PERSONNEL

During September, 1976, the City Budget adopted for fiscal year 1976-77 was re-opened in reaction to the prospects of a substantial increase in the tax rate. After several public hearings, the Board of Supervisors required the Fire Department to establish a \$3,000,000 salary savings program. Of this total, \$1,900,000 was charged directly to our permanent salary appropriations; the balance was in related mandatory fringe benefit savings.

This program had the predictable effect of preventing the fire department from hiring any probationary fire fighters during fiscal year 1976-77. Thus, no fire fighters were hired from January, 1976 through June, 1977.

Because of the severity of the \$3,000,000 salary savings program, all promotions were delayed, many for six months or longer. Our first promotions during fiscal year 1976-77 were made July 14, 1976. No other promotions were made until March 30, 1977.



	C.D. H-140	D.C. H-150	S.C.D. H-155	A.C. H-50	B.C. H-40	CAPT. H-30	LT. H-20	OPL. H-10	FRM. H-2	PILOT H-120	M-ENGR. H-110	CAPT. H-32	LT. H-22	LT. H-24	INSP. H-4	INV. H-6	TOTALS
CHIEF OF DEPARTMENT	1							3									4
DEPUTY CHIEF OF DEPARTMENT		1						3									4
HEAD OF ADMINISTRATION			1			1	2		2								6
HEAD OF ASSIGNMENT					1		3										4
HEAD OF COMMUNICATIONS						1	3										17
HEAD OF EQUIPMENT						1			8								9
SECTION OF TRAINING				1		1	3	1	8								6
SECTION OF FIRE PREV. & INVESTIGATION				1													1
BUREAU OF INVESTIGATION																7	8
BUREAU OF FIRE PREVENTION												2	3	1	33		38
PORT FIRE MARSHALL																	1
SECTION OF PLANNING & RESEARCH				1													1
BUREAU OF ENG. & WATER SUPPLY									7								7
OFFICE OF PUBLIC ED. & INTERNAL CONTROL				1					1								2
	1	1	1	4	1	4	16	7	26			2	4	1	33	7	108

FIRE FIGHTING SERVICE

[illegible]

NON-UNIFORMED FORCE

	CS 1444	COM 160	SEC 1530	ACC 1054	SCS 1416	SCOT 1426	CT 1424	PCS 1450	PPC 1280	SPPC 1222	PHY 1220	WSS 5243	FIRE 7205	STATIONS 7334	HYDRANT DEPARTMENT				PHD 1770
															7210	7321	7365	7514	
COMMISSION OFFICE	1	5	1	1	1	2		1	2	1	1								15
COMMISSION OFFICE																			2
EXP'S OFFICE					1	1													3
SAU OF FIRE PREVENTION																			2
SAU OF ENG. & WATER SUPPLY							1					1	2	9	1	1	12	2	26
DIVISION OF TRAINING							1												1
	1	5	1	1	2	3	2	1	2	1	1	1	2	0	1	1	12	2	40

FISCAL

Budget - Personnel Services

Under the provisions of Section 8.405, City Charter, the rates of compensation of the uniformed force of the Department are fixed by ordinance of the Board of Supervisors.

The salary range is based upon survey and certification by the Civil Service Commission of the average paid fire fighters and police officers in California cities of 350,000 or more population.

There were two rates of pay used during 1976-77. The 1975-76 rate (13.05%) was applied to all uniformed members except those who were promoted after July 1, 1976, they received the 1976-77 rate of pay (10.88%).

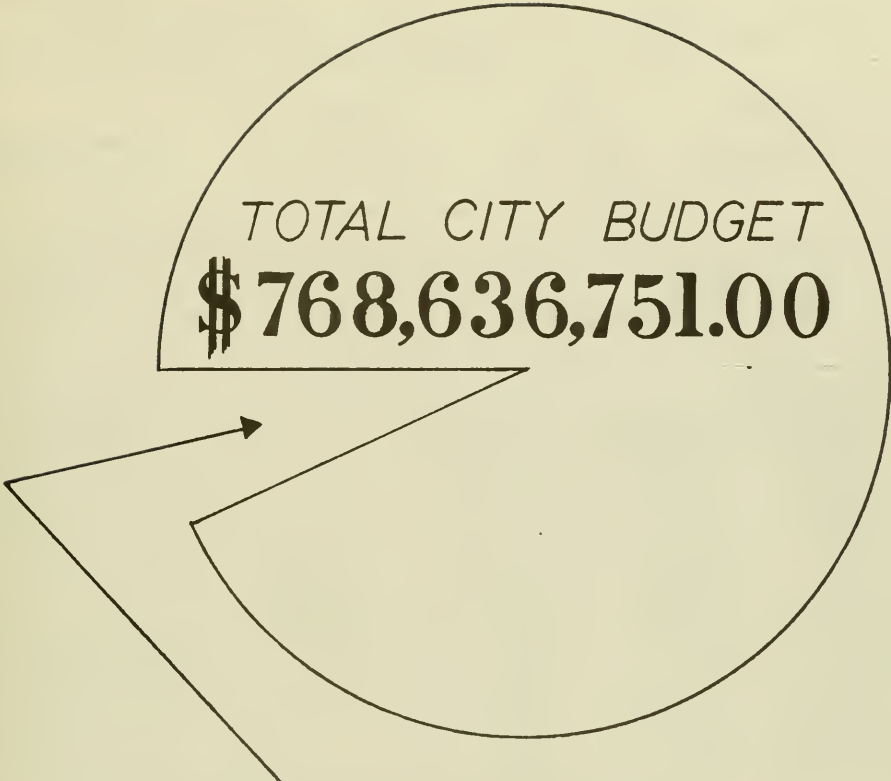
	<u>Personnel</u>		
	<u>1975-76</u>	<u>1976-77</u>	<u>Increase (Decrease)</u>
Budget Estimate	\$37,643,965	\$36,545,960	(1,098,005)
Budget Expended	\$36,967,853	\$34,592,779	(2,375,074)

The "Like Work - Like Pay" ordinance was modified by the Board of Supervisors to reflect payment for work in a higher classification after seven shifts in fire fighting and 30 days in administrative positions.

The new modification has been the subject of litigation by Local 798. No final decision had been reached at the end of the fiscal year. Necessary funding in this account during fiscal year 1976-77 totaled the following:

Original Amount	\$ 10,000
Supplemental Appropriation	<u>\$ 124,127*</u>
Total Budget	\$ 134,127
Total Expended	\$ 134,127

* not yet paid pending final determination by Court.



TOTAL CITY BUDGET
\$768,636,751.00

FIRE DEPARTMENT
BUDGET

\$65,562,535.00

FIRE DEPARTMENT
PERCENTAGE OF
TOTAL CITY BUDGET

8.53%

Budget - Data

During fiscal year 1976-77, budget allowances and expenditures compared to fiscal year 1975-76 for the Fire Department were as follows:

	<u>1975-76</u>	<u>1976-77</u>	<u>Increase</u>
Budget Allowances	\$59,871,582	\$65,562,535	\$5,690,953
Expenditures	\$56,438,377	\$62,373,792	\$5,935,415

Expenditure categories and percentages are as follows:

Personnel services and related fringe benefits.	\$60,973,722	97.8%
Equipment	238,781	.4%
Other	<u>1,161,289</u>	<u>1.8%</u>
Total	\$62,373,792	100.0%

Budget Recapitulation of Allowances and Expenditures:

<u>Description</u>	<u>Allowance</u>	<u>Expended</u>	<u>Expenditures (over)/under</u>
Personnel Salary & Wages	\$36,545,960	\$34,592,779	\$1,953,181
Contractual Services	168,809	163,097	5,712
Materials & Supplies	303,159	266,602	36,557
Equipment	254,982	238,781	16,201
Library & Reference Books	861	514	347
Maintenance & Repairs - Buildings	38,501	38,501	-0-
- Auto	477,966	477,966	-0-
- Others	190,000	190,000	-0-
Buildings, Structures & Improvements	13,400	13,400	-0-
Fixed Charges (Dues)	288	280	8
Meritorious Awards	3,200	2,429	771
Fringe Benefits	27,556,909	26,380,943	1,175,966
Services of other departments	8,000	8,000	-0-
Revolving Fund	<u>500</u>	<u>500</u>	<u>-0-</u>
	\$65,562,535	\$62,373,792	\$3,188,743

* Note - Federal Revenue Sharing of \$7,025,000 included in total which expended for salaries.

Department Revenues:

Estimated revenues and amounts collected during fiscal year 1976-77 were as follows:

<u>Account</u>	<u>Description</u>	<u>Estimated</u>	<u>Collected</u>
7166	Posting Fees	\$ 1,600	\$ 1,730
7167	Original Filing Fees	8,000	12,209
7188-9	Minor Damages & Miscellaneous		
	Service (Copy Service Charges)*	10,000	14,364
7192	Roof & Salvage Covers	<u>6,700</u>	<u>5,096</u>
	Totals **	\$ 26,300	\$ 33,399

* \$10,413 of additional collections were allowed the Fire Department for repairs of damaged hydrants and automotive equipment as per Section 11.7 of the Annual Appropriation Ordinance.

** Total collected for account includes amounts collected by the Fire Department and other departments.

S.F.F.D.

SALARY RANGE *

<u>Uniformed Force</u>	<u>1975-76</u>	<u>1976-77</u>	
Chief of Department	\$ 1942.07	\$ 1904.83	bi-weekly
Deputy Chief of Department	1634.02	1602.76	"
Assistant Chief of Department	1326.44	1301.15	"
Secretary to Chief of Department	1289.43	1261.15	"
Battalion Chief	1148.05	1125.98	"
Captain	957.24	938.85	"
Lieutenant	837.70	821.61	"
Chief's Operator	785.75	770.57	"
Captain, Bureau of Fire Prevention & Public Safety	1081.84	1060.69	"
Lieutenant, Bureau of Fire Prevention & Public Safety	946.47	928.28	"
Lieutenant, Bureau of Fire Investigation Investigator, Bureau of Fire Investigation	946.47 864.37	928.28 847.82	"
Inspector, Bureau of Fire Prevention & Public Safety	864.37	847.82	"
Pilot & Marine Engineer, Fireboat	957.24	938.85	"
Firefighter - 1st year**	611.03	611.03	"
Firefighter - 1st year	697.93	614.71	"
Firefighter - 2nd year	704.83	641.38	"
Firefighter - 3rd year	714.02	673.56	"
Firefighter - 4th year	720.92	707.13	"

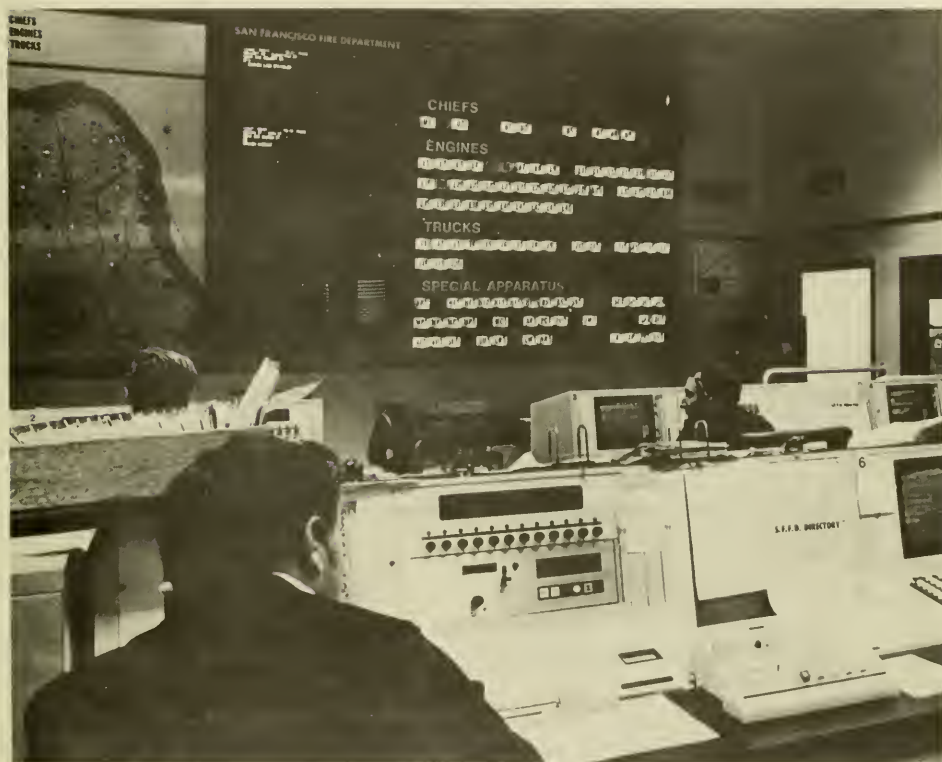
Non-Uniformed Force

Fire Commissioner	\$ 100.00	per month
Secretary - Fire Commission	773.00	bi-weekly
Physician - Part Time	968.00	"
Superintendent, Water Supply System	1136.00	"
Foreman, Water Supply System	12.73	per hour
Sub-Foreman, Water Supply System	12.13	"
Chief Stationary Engineer	11.50	"
Stationary Engineer	9.23	"
Utility Plumber	11.03	"
Laborer	7.563	"
Principal Accountant	658.00	bi-weekly
Senior Payroll and Personnel Clerk	467.00	"
Principal Clerk Stenographer	467.00	"
Senior Clerk Stenographer	426.00	"
Payroll and Personnel Clerk	426.00	"
Senior Clerk Typist	416.00	"
Clerk Typist	381.00	"
Photographer	460.00	"

* Two rates of pay were used during 1976-77. The 1975-76 rate (13.05%) was used for all uniformed officers and members except for those who were promoted after July 1, 1976. They received the 1976-77 rate of pay (10.88%).

** Applies to firefighters hired after July 1, 1976.

BUREAU OF ASSIGNMENT & COMMUNICATIONS



COMMUNICATIONS CENTER

BUREAU OF ASSIGNMENTS AND COMMUNICATIONS

Bureau of Assignments

The Bureau of Assignments, as the Personnel Center, has the authority to constantly maintain adequate personnel to insure the most efficient operation of department apparatus and equipment. This authority is delegated to the Battalion Chief, Bureau of Assignments and Communications and officers assigned to this Bureau by the Chief of Department through the Deputy Chief.

The following is a brief outline of some of the more exacting operations performed within the Personnel Center:

1. Compilation of Division Strength Reports.
2. Estimation of manpower availability on a three (3) day forecast in order to provide an adequate daily on-duty complement of firefighters.
3. Working out-of-classification assignments on a daily, weekly and monthly basis.
4. Daily membership reports.
5. Allocation of vacation periods for department personnel.
6. Scheduling of vacations for firefighting forces and maintaining vacation records.
7. Assigning and scheduling members of the Uniformed Force to work on days off.

Bureau of Communications

The operations of the Center are supervised by a Captain, under the functional supervision of the Battalion Chief, Bureau of Assignments and Communications.

The duties of the Communications Center are performed by two Lieutenants and two Firefighters per shift. These duties are divided into three main functions.

As a Dispatch Center: Where all alarms and other emergency calls are received and evaluated. Necessary men and equipment are then dispatched to the incident by a computerized dispatching system. The Communications Center processed a total of 30,596 alarms during the fiscal year of 1976-77.

As a Radio Communications Center:

Where all radio communications between units in the field and the Center are performed. A Communications Van is also available at the Center for dispatch to incidents, where needed.

As an Information Center:

Where a complete library of hazardous materials and chemicals are kept along with the locations of special tools and equipment that may be needed for emergency operations.

COMMAND AND CONTROL SYSTEM

The San Francisco Fire Department computer-assisted Command and Control System went in-service on a full-time basis on November 8, 1976. Fire stations now receive alarm information via teletype and voice-announce. Stations acknowledge receipt of the information by keying the teletype and the computer keeps track of unit and incident status twenty-four hours a day. The system has proven highly successful both from an operational and a reliability standpoint. Output reports have been reviewed and it is anticipated that the Command and Control System will be used to report fire incident statistics beginning July 1, 1977. Future planning calls for computerization of the Bureau of Assignments, a project which is already underway, and computerization of the Bureau of Fire Prevention.

BUREAU OF EQUIPMENT



RESCUE UNIT

BUREAU OF EQUIPMENT

The Bureau of Equipment is staffed with one officer and eight fire-fighters and is responsible for maintenance, lubrication, inspection of all apparatus. The Bureau is also responsible for procedures pertaining to the care and operation of all apparatus and equipment in the Fire Department.

During the fiscal year 1976-1977, the Bureau recorded more than 15,000 requests for equipment repairs, oxygen supplies, extinguisher exchanges and other services. Approximately 75 per cent required additional calls to other departments for processing.

During the past year, the Bureau has continued its driver evaluation and operational program. In order to keep pace with new equipment, the Bureau also conducts spot checks on driving habits of regular and relief drivers.

The Bureau conducts Annual Pump Tests and participates in high pressure tests. They assists the Division of Training and the Division of Planning and Research on special projects; evaluates suggestions submitted by the Advisory Board; attends Oral Board and pump operator evaluation tests for neighboring communities.

The Bureau responds to all greater alarms and accidents involving Fire Department equipment and provides firefighting services both directly or with special apparatus, operating them at the scene of the fire. The Bureau also provides emergency tow service for other city departments when requested.

Hose Complement

Contained in the following chart is the hose complement of the department, excluding short utility lengths, soft suctions, hydrant jumper lengths, circulators, multi-versal and house lengths. The maintaining of this record is the responsibility of the Bureau of Equipment.

S.F.F.D. Hose Complement to June 30, 1977

	<u>3"</u>	<u>2-3/4"</u>	<u>1-1/2"</u>	<u>1"</u>
10 years or less	100%	55.1%	97%	45%
11 to 15 years	0%	32.7%	3%	21%
Over 15 years	<u>0%</u>	<u>12.2%</u>	<u>0%</u>	<u>34%</u>
Total/Footage	100%	100 %	100%	100%
	<u>51,550</u>	<u>114,850</u>	<u>67,450</u>	<u>21,700</u>
Total footage in Hose Complement				
<u>255,450 feet.</u>				

Apparatus Status

	<u>In</u> <u>Service</u>	<u>In</u> <u>Reserve</u>
1,000 GPM Combination pumpers, Triple Combo -----	3	13
1,000 GPM Combination pumpers, Triple, (Diesel) -----	0	2
1,000 GPM Combination pumpers, Triple, (C.D.) -----	0	1
1,250 GPM Combination pumpers, Triple, (Diesel) -----	23	0
1,250 GPM Combination pumpers, Triple -----	12	0
1,500 GPM Combination pumpers, Triple, (Diesel) -----	5	0
50 GPM Combination Mini pumpers -----	4	0
Aerial Ladders - 100 foot - (Diesel) -----	13	0
Aerial Ladders - 100 foot -----	6	5
Aerial Ladders - 92 foot - (Diesel) -----	0	1
Aerial Ladders - 85 foot - (Diesel) -----	0	1
Snorkel - 85 foot - (Diesel) -----	1	0
Air Compressor -----	0	1
Automobiles - Chiefs' -----	16	9
Automobiles - Staff -----	29	0
Mini Buses -----	3	0
Coffee Unit -----	0	1
Fireboat -----	1	0
Foam Unit -----	0	1
Diesel Fuel Unit -----	0	1
Gasoline Fuel Unit -----	0	1
Attack Hose Tenders -----	3	0
Hose Tenders -----	0	3
Hydrant Trucks -----	8	0
Hydrant Trucks, (Valve Units) -----	14	0
Pipe Dolly, (C.D.) -----	0	1
Pipe Trailer Unit, (C.D.) -----	0	1
Portable Compressor, 2-Wheel Unit Trailer -----	1	0
Rescue Trucks -----	2	1
Cliff Rescue Truck -----	1	0
Salvage Trucks -----	0	2
Utility Unit -----	0	1
Pollution Control Unit -----	0	1
Searchlight Engine -----	1	0
Service Squads -----	2	0
Tow Truck -----	1	0
Tractors, Aerial (Relief) -----	0	0
Trucks, Auxiliary (500 GPM) -----	0	15
Trucks, Delivery -----	2	2
Trailers, Auxiliary (500 GPM) -----	0	3
Valve Unit -----	1	0
Water Rescue Unit -----	0	1

OFFICE OF EMERGENCY SERVICES

Emergency Services Fire Coordinator

A Lieutenant as detailed by the Chief of Department, San Francisco Fire Department, works in cooperation with and under the guidance of the Director, Emergency Services to develop plans and procedures for coordinated inter-agency and inter-jurisdictional fire and rescue response in extraordinary emergencies; participates in Emergency Planning Committee meetings, seminars and workshops; confers with federal, state and other emergency oriented agencies; meets with other emergency services personnel of the City and County of San Francisco as necessary to establish and assist in the development and implementation of operations with appropriate emergency services elements.

The duties of the Fire Coordinator also consists of the following:

1. Provides assistance to building owners and managers and the public in the development of plans for such extraordinary disasters as nuclear attack, major fires and earthquakes.
2. Provides assistance in the development of emergency plans for major public buildings tailored to the life safety and survival of the occupants in extraordinary emergency situations such as fire, bomb threat, earthquake and nuclear attack.
3. Assists in maintaining accountability and inspections of the survival supply stockpile for San Francisco which includes keeping files and records of emergency stocks and their locations including radiological instrumentation.

Fire Reserve

The Fire Reserve is a unit of the San Francisco Emergency Services organized to augment the San Francisco Fire Department in times of a natural disaster or hostile military action. It is supervised by a Lieutenant of the Fire Department.

The members of the Fire Reserve are a group of dedicated citizens whose services are volunteered to the City and County of San Francisco without remuneration.

These men are a group of specially trained citizens. Training exercises are held weekly throughout the year. The Reserve also receives on-the-job training by observing and assisting the Fire Department at multiple alarm fires.

In the event of hostile military action, or of a natural disaster of a long duration, the Fire Reserve will be greatly expanded to assist in the safeguarding of the lives and property of our citizens. The present membership will be the nucleus of any required expansion.

Membership of the Fire Reserve, June 30, 1977 - - - - 66

<u>ACTIVITIES:</u>		<u>GREATER ALARMS RESPONDED TO:</u>	
Training Exercises	47	Total	35
Total Attendance	1,282	Total Attendance	312
Man Hours - Training	3,205	Man Hours - Worked	798
Pumpers Used	75		

PHOTO UNIT NO. 1

Photography in our modern day fire department is being utilized more than at any other time in history. Fire prevention, fire and arson investigation, training, public relations and administration activities rely upon the efficient photo unit services.

Our city provides an extraordinary opportunity for obtaining valuable fire ground photography of situations encountered by a large metropolitan fire department. As a result, firefighting strategy and training activities have vastly improved in recent years. The Photo Unit traveled 6,718 miles in this fiscal year.

A summary of the Photo Unit activity during the fiscal year is recorded as follows:

Responses

Still Alarms	-	14	Third Alarms	-	11
First Alarms	-	130	Fourth Alarms	-	2
Second Alarms	-	15	Fifth Alarms	-	1

Bombing incidents - 4; Rescue operations-17; Arson cases - 18; Fire Department accidents - 9; Fire Prevention - 11; Public Relations - 37; Fire College - 13; Bureau of Equipment - 15; Public school presentations -3; Assist citizen - 7.

San Francisco Fire Department
Pioneer Memorial Museum

The San Francisco Fire Department Pioneer Memorial Museum is located adjacent to Station 10 at 655 Presidio Avenue and is open to the public, daily, between the hours of 1300 and 1700.

This past year 5,210 people visited the museum. Included in this number were school groups gaining educational knowledge; fire and history buffs seeking further information concerning our department; and citizens of the city, state, nation and from foreign countries.

The collection continued to grow through donations of monetary gifts, plus artifacts, memorabilia and apparatus, which included an 1850 hand pumper.

COMMITTEE REPORTS

Fire Department Advisory Board

The San Francisco Fire Department Advisory Board, now in its twenty-first year of existence, continues to convey valuable suggestions from members in the field to the Chief of Department. The Department has utilized the Board to assist the Administration in documenting and thoroughly researching each item received.

During the past fiscal year, this Board has reviewed and accepted 22 suggestions. Of these: 2 have been implemented; 5 have been forwarded; 1 is pending funding and the remainder are still being researched.

Vehicular Accident Committee

Vehicle accidents showed a sharp decline during the past fiscal year, dropping to a total of 107 compared to the previous fiscal year of 150. This is a reduction of 28.5 per cent, which indicates an increased level of supervision by company officers combined with an improved adherence to safe driving practices by drivers and tillermen.

The formal hearings of vehicle accidents by the Vehicle Accident Hearing Committee have resulted in a variety of Committee recommendations implemented by the Chief of Department. The most significant recommendation was the requirement for stopping at all controlled intersections (red lights and arterials) during emergency response. This resulted in an immediate curtailment of intersection accidents. Intersection accidents were reduced 50 per cent compared with the previous fiscal year.

The new fiscal year should reflect an additional reduction in vehicle accidents as company officers develop the "team" concept in the safe movement of department vehicles.

Occupational Safety and Health Act Committee

New standards for protective clothing and equipment were our main thrust during the last fiscal year.

After many hours of research, testing and debate a proposed standards package was finally hammered out. Representatives of the fire service, industry and equipment suppliers all contributed through a state-wide committee sponsored by CAL/OSHA.

San Francisco Fire Department specifications for new turnout gear already reflect these proposed standards. By ordering needed equipment now that conforms to future state requirements, change-over costs will be kept to a minimum. More important, firefighters in San Francisco will continue to have the best safety equipment available.

Safety Committee

The Safety Committee consists of the Chief of the Division of Training, who serves as Chairman, a secretary and five (5) officers as staff members.

During the 1976-77 fiscal year, there were 842 Lost Work Day (LWD) injuries. This averaged out to 70.16 LWD injuries per month compared to 93.75 during the 1975-76 fiscal year. Sixty-nine (69) of the reported 842 injuries have not returned to work as of June 30, 1977. Fifty-two (52) of the injuries reported were reported as recurrent injuries.

During the 1976-77 fiscal year, there were 11,745 LWDs for the 842 reported injuries. This averaged out to 978.75 LWDs per month as compared to 1,341.75 LWDs per month during the 1975-76 fiscal year.

A breakdown according to company classification indicated the following disability injuries and lost work days:

		Two Year Comparision 1975-76 & 1976-77					
		Injuries		Lost Work Days			
		1975-76	1976-77	1975-76	1976-77		
Engine	Companies -	592	419	8,418	6,275		
Truck	Companies -	316	273	4,383	3,389		
Airport	Companies -	44	40	927	524		
Rescue	Companies -	38	22	595	312		
		990	754	14,323	10,500		

These four type companies had 754 LWD injuries of the 842 total injuries in the Department. They also had 10,500 of the 11,745 Lost Work Days. The remainder of the Lost Work Days were spread throughout the remainder of the Department.

Radio Committee

The San Francisco Fire Department Radio Committee has been meeting on a regular basis since February, 1977 and has provided the Department of Electricity with input for drawing up specifications for new radio equipment. The new system will operate on 488 MHZ.

The new radio system will bring with it not only modern up-to-date equipment but also many changes in method of operation. One of these changes is the use of the "10" code to eliminate unnecessary traffic.

The "10" code will also enable us to communicate with other jurisdictions in a common language. Other changes are establishing Division Control Channels so that each firefighting Division will have a dedicated Fire frequency, improving the capability of the handie-talkies, providing a dedicated frequency for the Specialized Auxiliary Service, all of which are aimed at improving radio communications.

It is also planned to provide every Division and Battalion with White Fire Frequency for mutual aid and/or disaster communications.

We hope to provide the San Francisco Fire Department with the finest Fire Communications System possible.

High-Rise Program Committee

The High-Rise Inspection and Conference program has continued to be beneficial to both the Fire Department and Building Management.

This past year most of the Chief Officers and a great many of the downtown companies have received training, including lecture, slide pictures, a tour of high-rise buildings with instructions regarding all fire systems in these buildings. Also included were instructions for operating elevators under the firefighters' control system.

B.A.R.T. Committee

During the past fiscal year, the Bay Area Rapid Transit (B.A.R.T.) Committee continued to meet with transit officials and the numerous fire departments along the right-of-way.

One drill was conducted in the trans-bay tube, in conjunction with the Oakland Fire Department and B.A.R.T. personnel and equipment. This drill helped to pinpoint some of the difficulties and problems likely to be encountered in any type of incident under the bay.

This year also saw the publication of an excellent San Francisco Fire Department B.A.R.T. Manual.

St. Francis Hook and Ladder Society Committee

Department members, who are also members of the St. Francis Hook and Ladder Society, again this year in their off-duty hours joined together with the common goal of preserving some of San Francisco's fire history. The Society is also closely associated with the Department's Pioneer Memorial Museum.

Membership in the Society is open to all in the community who believe in the goal of acquiring, restoring, preserving and maintaining artifacts, memorabilia and antique apparatus relating to San Francisco. The Society is a federally tax-exempt, non-profit California corporation.

Olympics Committee

The 1977 Summer Olympics in Newport Beach saw the largest gathering of firefighter athletes ever. According to the California Firemen's Athletic Association, 1,750 firefighters registered to participate in the various sports.

The University of California, Irvine campus, again proved to be an excellent site. Competition was held simultaneously in most events on campus. Softball provided the largest group of participants with 32 teams playing.

Competition would appear to be growing keener with each passing year. The San Francisco Fire Department Red Team completed their sixth year in the softball competition in the Olympics' without having suffered a defeat. The San Francisco Fire Department "A" basketball team won the gold medal for the third consecutive year. Medals were won in practically every event by San Francisco firefighters.

A total of 155 firefighters from the San Francisco Fire Department participated in the 1977 Summer Olympics. The success of the San Francisco Fire Department firefighters will hopefully encourage more San Francisco Fire Department athletes in future Olympics. The initiation of a new Physical Fitness Program by the Chief of Department in the near future will hopefully encourage more participation in future Olympics. The 1978 Summer Olympics has been tentatively set for June in San Mateo County.

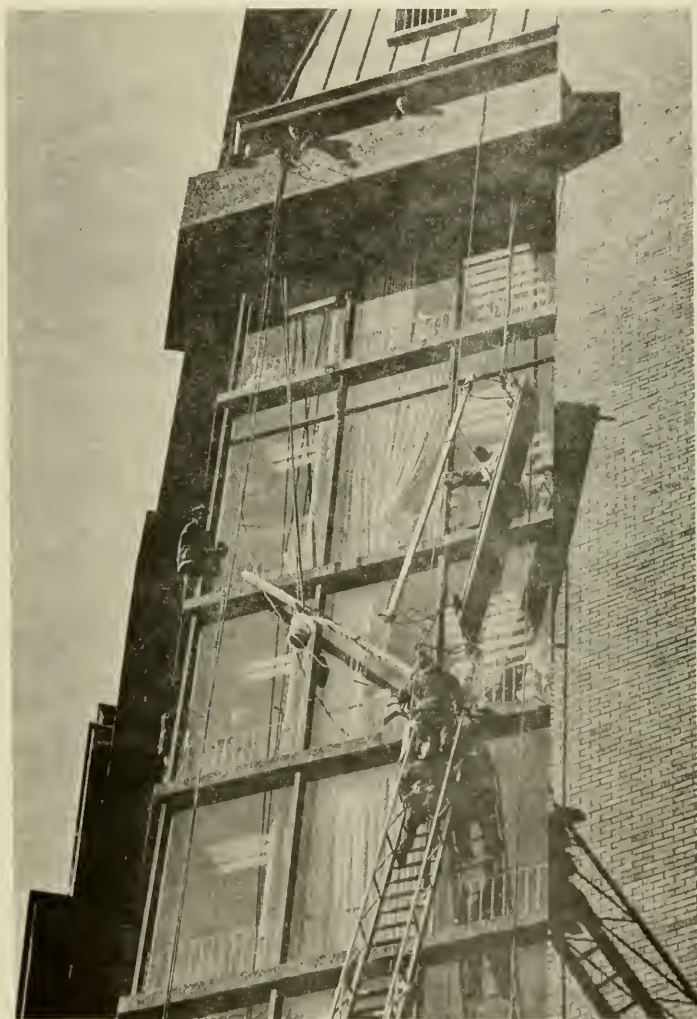
Pollution Control Committee

An up-dated "Oil and Hazardous Materials Pollution Contingency Plan" (1977) has been completed by this committee and forwarded to the Chief of Department for his approval. This report outlines briefly the National Contingency Plan which is operated on a Regional basis. This report also includes relevant portions of the State Oil Spill Contingency Plan.

The Operating Authority for the San Francisco Plan is the Chief of the San Francisco Fire Department. He is charged with the responsibility for response to any Oil Spill or Hazardous Materials Incident and assessing, reporting, containing and abating the hazard, so as to minimize loss of life and property. If a major Pollution Incident occurs within the City and County of San Francisco, the Chief of Department will be the on-site authority and will be responsible for holding actions and public warnings until State and Federal representatives arrive on the scene.

A Fire Department vehicle has been partially equipped and put in service status as a Pollution Control Unit. It is expected to be fully equipped with anti-pollution devices and anti-spill equipment in the next fiscal year. Also, steps are being taken to strengthen the lines of communication between the San Francisco Fire Department and the various State and Federal agencies involved with Oil Spills and Pollution Control.

FIRE FIGHTING & RESCUE SERVICES



RESCUE...KEARNY AND MARKET STREETS

FIRE FIGHTING AND RESCUE SERVICES

Headquarters Chief Officers

DIVISION NO. 1

Station No. 13 530 Sansome Street

Division No. 1

Battalion No. 1	Station No. 2	1340 Powell Street
Battalion No. 2	Station No. 36	109 Oak Street
Battalion No. 3	Station No. 8	36 Bluxome Street

DIVISION NO. 2

Station No. 5 1301 Turk Street

Division No. 2

Battalion No. 4	Station No. 38	2150 Calif. Street
Battalion No. 5	Station No. 21	1443 Grove Street
Battalion No. 7	Station No. 31	441 - 12th Avenue
Battalion No. 8	Station No. 40	2155 - 18th Avenue

DIVISION NO. 3

Station No. 7 2300 Folsom Street

Division No. 3

Battalion No. 6	Station No. 11	3880 - 26th Street
Battalion No. 9	Station No. 15	1000 Ocean Street
Battalion No. 10	Station No. 9	2245 Jerrold Avenue

Division of Airports

San Francisco International Airport
Airport Rescue Co. No. 1, No. 2 and No. 3

Department Buildings

The various units of the Department are stationed in the following buildings:

- 1 - Department Headquarters
- 44 - Company Stations
- 2 - Airport Company Stations
- 1 - Division of Training
- 1 - Communications Center
- 1 - Assignment Center (located at Department Headquarters)
- 1 - Bureau of Equipment Headquarters
- 2 - Pumping Stations (High Pressure System)
- 1 - Reservoir Station (High Pressure System)
- 2 - Warehouses (Storage)
- 1 - Deactivated Company Station
- 1 - Pipe Yard Station (High Pressure System)

Organization

Firefighting personnel have remained on the twenty-four (24) hour shift pending the out-come of an appeal filed with the State Court of Appeals in an attempt to over-turn Proposition Q from the November, 1975 Election. Planning for the transition to a 10-hour/14-hour split shift has been completed in the event that the department is so ordered.

The man-power complement of many firefighting companies was reduced in February, 1977 as a result of an overall re-distribution of personnel due to shortages brought about by the Salary Savings Program of the Board of Supervisors. There was an overall drop of sixty-six (66) firefighters from the firefighting service and nine (9) from the non-uniformed force.

Apparatus and Equipment

The following pieces of new apparatus were placed in service during fiscal year 1976-77 after extensive testing, outfitting and training:

One (1) Aerial Ladder Truck from the 1974-1975 Budget
(to Truck Co. 3)

Two (2) Triple Combination Pumpers from the 1974-1975
Budget (to Engine Co. 10 and Engine Co. 44)

One (1) Triple Combination Pumper from the Community
Development Funds (to Engine Co. 5)

One (1) Triple Combination Pumper from the 1976-1977
Budget (to Engine Co. 9)

Four (4) Chief Cars from the 1976-1977 Budget
(to Battalions 1-3-4-6)

FIRE FIGHTING & RESCUE SERVICES



5th ALARM...CALIFORNIA AND POLK STREETS



3rd ALARM...277 CLARA STREET

FIRE FIGHTING & RESCUE SERVICES



JUMPER...POLK AND PINE STREETS



4th ALARM... BRANNAN AND CENTER

FIRE FIGHTING & RESCUE SERVICES



4th ALARM... BRANNAN AND CENTER



3rd ALARM... 835 MINNESOTA STREET

MERITORIOUS COMMENDATIONS

CLASS "A" AWARD



FIREFIGHTER
FRANK CERCOS, III



FIREFIGHTER
THOMAS J. COONEY



OPERATOR
JAMES P. LYONS



FIREFIGHTER
THOMAS RYAN

MERITORIOUS COMMENDATIONS

CLASS "B" AWARD



LIEUTENANT
FRANK CERCOS, JR.



LIEUTENANT
DOMINIC M. SPINETTA



FIREFIGHTER
LAWRENCE C. GIOVACCHINI



FIREFIGHTER
ROBERT A. MOORE



FIREFIGHTER
BRUCE NAVARETT



FIREFIGHTER
GERALD OVERSTREET

MERITORIOUS COMMENDATIONS

CLASS "B" AWARD



FIREFIGHTER
JACK F. PACHECO



FIREFIGHTER
RICHARD C. QUINN



FIREFIGHTER
PAUL J. TABACCO



FIREFIGHTER
PATRICK W. WHITE



FIREFIGHTER
RAY W. ZANINI

MERITORIOUS COMMENDATIONS

On April 13, 1977, the Fire Commission accepted the recommendations of the Fire Department Merit Advisory Board concerning Meritorious Awards to the following Department members:

Class "A" Awards

Chief's Operator James Lyons	Firefighter Thomas Cooney
Firefighter Frank Cercos, III	Firefighter Thomas Ryan

Class "B" Awards

Lieutenant Frank Cercos	Firefighter Jack Pacheco
Lieutenant Dominic Spinetta	Firefighter Richard Quinn
Firefighter Lawrence Giovacchini	Firefighter Paul Tabacco
Firefighter Robert Moore	Firefighter Patrick White
Firefighter Bruce Navarett	Firefighter Ray Zanini
Firefighter Gerald Overstreet	

Class "C" Awards

Lieutenant William Murray	Firefighter Michael McKinley
Firefighter Michael J. Casey	Firefighter Robert Moore
Firefighter James Cavellini	Firefighter John O'Shea
Firefighter John S. Cercos	Firefighter Anthony Simi
Firefighter Pat Grimesey	Firefighter Frank Slezak
Firefighter Al Gughemetti	Firefighter Lawrence Wright

Class "D" Awards

Lieutenant Michael Moran	Firefighter Michael Cunnie
Firefighter Robert Barbara	Firefighter Jack Pacheco
Firefighter Robert Childs	Firefighter Anthony Soule

There were fifteen (15) Unit Citations awarded, forty-seven (47) Letters of Commendation and six (6) Certificates of Merit .

The Merit Advisory Board awarded a "Public Recognition Award" to Stephen Osborne, 69 Fair Oaks Street, San Francisco, California for his efforts in the rescue of a man from a fire in his building on August 27, 1976.

FIRE FIGHTING AND RESCUE SERVICES

Recapitulation of Fire Department Response, 1976-1977

a) Transmission of Alarms:

	<u>Bell Alarms</u>	<u>Still Alarms</u>	<u>Total Alarms</u>
Actual Fires -----	3,624	3,853	7,477
False Alarms -----	8,799	235	9,034
Vicinities -----	40	-	40
Major Alarms -----	109	-	109
Special Calls -----	18	-	18
Miscellaneous (No Fires) -----	1,938	11,917	13,855
TOTAL -----	14,528	16,005	30,533
No Alarm -- Fires -----			63
GRAND TOTAL OF ALARMS -----			30,596

b) Fires:

Bell Alarms -----	3,624
Still Alarms -----	3,853
No-Alarm Fires -----	63
TOTAL Fires -----	7,540

c) Special Calls in conjunction with Other Alarms ----- 18

d) Major Alarms:

Second Alarm -----	68
Third Alarm -----	27
Fourth Alarm -----	11
Fifth Alarm -----	3
TOTAL Major Alarms -----	109

e) Classification of Buildings in which Fires Occurred:

Type 1 -----	519
Type 2 -----	60
Type 3 -----	819
Type 4 -----	11
Type 5 -----	1,973
TOTAL -----	3,382

f) Extent of Fires:

	<u>Yes</u>	<u>No</u>
Confined to Floor of Origin -----	3,238	144
Confined to Building of Origin -----	3,288	94

Type of Response: (Fiscal Year 1976-1977)

Building Fires:

Theatres and Motion Pictures -----	4
Public Assembly -----	168
Schools -----	93
Institutions -----	96
Hazardous -----	32
Business -----	269
Non-Hazardous -----	5
Residential -----	2,556
Vacant Buildings -----	47
Miscellaneous Building Occupancies -----	110
Open Air Assembly -----	36
Sub-Total -----	3,416
Vehicle Fires -----	1,348
Wharf and Pier Fires -----	39
Boat and Ship Fires -----	11
Grass and Rubbish Fires -----	2,556
Miscellaneous other than buildings -----	170
TOTAL FIRES -----	7,540
Emergencies Other than Fire (Incl. 856 Resuscitations) -----	13,802
Vicinities -----	40
Greater Alarms -----	109
Special Calls -----	18
False Alarms -----	9,034
GRAND TOTAL OF ALARMS -----	30,596

Causes of Alarms:

Automobiles: (and other vehicles)

Backfiring through carburetor -----	432
Colliding with fire alarm box -----	6
Colliding with fire hydrant -----	102
INCENDIARY -----	172
Motor Igniting -----	38

Causes of Alarms:

Automobiles: (continued)

Overheated brakes -----	29
Overheated transmission -----	10
Smoking, igniting seats and upholstery -----	260
Wiring -----	257
BOMBS -----	12
Burning paint from building, Igniting -----	5
Burning Torch Igniting Combustibles -----	58
Candles, Igniting Combustibles -----	34
Chimneys:	
Defective and/or Overheated -----	20
Sparks from Igniting Combustibles -----	11
Debris Box -----	0
Dumps -----	0
Electric:	
Automatic Alarms Accidentally Actuating -----	691
Blankets and Heating Pads -----	9
Dishwashers -----	14
Dryers -----	32
Elevators -----	14
Extension Cords -----	56
Fluorescent Lights -----	66
Fuses Blown -----	3
Garbage Disposal -----	0
Globe, Igniting Inflammables, too close -----	28
Heater -----	79
Iron -----	4
Manhole and Underground Vaults -----	2
Motors -----	50
PG&E Wires and Poles -----	271
Plate, hot -----	31
Radio -----	13
Refrigerator Motors -----	24
Sign Boards -----	1
Stoves -----	54
Television -----	25
Toasters -----	12
Transformers -----	18
Washing Machines -----	28
Wiring, defective in buildings -----	405
FALSE ALARMS -----	9,034
Fireplace -----	41
Fireworks -----	23
Friction -----	25
Gas:	
Boilers -----	32
Dryers -----	38
Escaping and Igniting -----	7
Furnaces -----	109

Causes of Alarms:

Gas: (continued)

Stoves, burnt food -----	620
Stoves, overheated -----	121
Water Heater -----	75
Gasoline Vapors Igniting -----	82
GRASS AND RUBBISH -----	2,556
Grease in Flue Igniting -----	26
Hot Ashes Igniting Combustibles -----	22
INCENDIARY -----	388
Juveniles, with Matches Igniting Combustibles -----	203
Lock-outs / Lock-ins -----	682
Mistaken Alarms -----	1,643
Molotov Cocktails -----	2
Refrigerator Systems, Leaking -----	97
REKINDLE -----	0
Smell of Gas -----	420
Smell of Smoke -----	1,147
SMOKING:	
Igniting Awnings -----	57
Igniting Bedding and Mattresses -----	467
Igniting Chesterfields and Chairs -----	48
Igniting Combustibles -----	725
Igniting Garbage Cans and Chutes -----	81
SPECIAL SERVICES:	
Assists and Rescues -----	2,005
Resuscitations -----	856
Other -----	2,903
Spontaneous Combustion -----	22
Sprinkler System Actuating -----	152
Steam Mistaken for Smoke -----	0
Tar Kettle Igniting -----	5
UNDETERMINED -----	60
Vapors, Inflammable Igniting -----	18
VICINITIES -----	40
Washdown Streets -----	1,386
Water Leaking -----	873
Xmas Trees -----	2
TOTAL -----	30,469
GREATER ALARMS -----	109
SPECIAL CALLS -----	18
GRAND TOTAL OF ALARMS -----	30,596

CITY AND COUNTY OF SAN FRANCISCO
FIRE LOSS STATISTICS
1976-1977

	<u>1975-1976</u>	<u>1976-1977</u>	<u>+ or - Change</u>
TOTAL FIRES -----	8,837	7,540	-1,297
TOTAL ALARMS -----	34,416	30,596	-3,820
TOTAL FALSE ALARMS -----	11,904	9,034	-2,870
INCENDIARY ORIGIN (incl.Autos) ----	545	560	+ 15
FELONY ARRESTS -----	29	30	+ 1
FELONY CONVICTIONS -----	16	9	- 7
FIRE DEATHS -----	47	41	- 6

Fires by Occupancy

RESIDENTIAL:

Apartments -----	1,468	1,366	- 102
Boarding Homes & Rooming Houses ---	13	9	- 4
Convent -----	2	0	- 2
Dwellings (1 & 2 family) -----	1,034	898	- 136
Hotels -----	329	274	- 55
Motels -----	5	9	+ 4
Total Residential -----	<u>2,851</u>	<u>2,556</u>	<u>- 295</u>
PUBLIC ASSEMBLY (incl.Theatres) -----	192	172	- 20
SCHOOLS -----	68	93	+ 25
INSTITUTIONS -----	105	96	- 9
HAZARDOUS OCCUPANCIES -----	46	32	- 14
BUSINESS -----	308	269	- 39
NON-HAZARDOUS -----	4	5	+ 1
VACANT BUILDINGS -----	68	47	- 21
MISCELLANEOUS BUILDING OCCUPANCIES ----	151	110	- 41
OPEN AIR ASSEMBLY -----	<u>0</u>	<u>36</u>	<u>+ 36</u>
TOTAL -----	3,793	3,416	- 377
VEHICLES -----	1,251	1,348	+ 97
WHARVES AND PIERS -----	54	39	- 15
BOATS AND SHIPS -----	19	11	- 8
MISCELLANEOUS OTHER THAN FIRES -----	284	170	- 114
GRASS AND RUBBISH -----	<u>3,436</u>	<u>2,556</u>	<u>- 880</u>
TOTAL FIRES -----	8,837	7,540	-1,297

SUMMARY OF RELEVANT FIRE STATISTICS

FISCAL YEAR 1976 - 1977

Occupancies Where Deaths Occurred

Apartments	-----	15
Dwellings (1 & 2 family)	---	13
Hotels	-----	7
Hospital	-----	1
Other	-----	<u>5</u>
Total	-----	41

Fatalities by Age Group

Under fifteen years of age	-----	1	-	2.44%
Fifteen to sixty-four years of age	-----	28	-	68.30%
Sixty-five years of age and over	-----	<u>12</u>	-	<u>29.26%</u>
Total (Male: 24 - Female: 17)	-----	41		100.00%

Most Frequent Causes of Fire

	San Francisco		United States
	<u>1975-1976</u>	<u>1976-1977</u>	<u>Latest NFPA 5-year Averages</u>
Smoking and Matches (incl. Autos)	2,213	1,841	114,420
Electrical	1,911	1,924	160,980
Heating and Cooking Equipment	932	1,002	89,520

Salvage Operations

Salvage operations are a primary function in the San Francisco Fire Department. Quick and efficient application of salvage equipment has been responsible for greatly reducing the fire and property loss during the past fiscal year.

Response is not limited to fires only; many times this service is provided for wind storms, rain damage, broken water pipes and other water leaks.

Salvage Operations (cont.)

The following salvage operations were performed during the fiscal year 1976-77:

Salvage covers spread -----	123
Roof covers spread -----	131
Sprinkler heads replaced -----	244
Roofing paper (Rolls) -----	77
Polyethylene (Rolls) -----	54
Rental fees for covers -----	\$3,912.50

Fire Safety Survey -- 1976 - 1977

The Fire Safety Survey Program is a three-phase public service operation of the Fire Department involving the assignment of in-service companies of the firefighting service to field inspections. The three phases of the program are as follows:

- a) Home Inspection: Part of the program designed to detect and correct the common fire hazards that may be present in the home and be of assistance to the residents in making their home fire safe thus reducing dwelling fire and life loss.
- b) Structural Survey: Familiarization of the various fire-fighting features of larger buildings in their respective areas. Such features as sprinkler systems, standpipe systems, fire escapes and building egress are evaluated.
- c) Area Orientation: Involves the location of hydrants, fire alarm boxes, narrow or congested streets and cisterns for fire use in the companies area.

Home Inspection:

Total Homes Contacted -----	14,430
Total Homes Admitted -----	4,831
Total Homes "Not In" -----	7,919

Structural and Area Surveys

Total Buildings and Areas Surveyed -----	1,066
Total Company Inspection Hours -----	3,470

Hazards Detected

Electrical -----	223
Smoking - Matches -----	113
Flammable Liquids -----	213
Rubbish Storage -----	791
Miscellaneous -----	167

Water Rescue and Firefighting Scuba Unit

The unit continues to expand its operations in water related services. Some of the services were demonstrations (for television coverage) of how to prevent the rash of drownings occurring at Ocean Beach, assisting the Coast Guard in rescue operations, assisting police in searching the Bay for crime related evidence and demonstrations in water safety for childrens groups.

The most publized rescue of the year was the removal of 26 persons from the grounded ship Argo at Fort Point. Divers boarded the grounded ship and with the aid of Fire Department truck company and a helicopter all people were safely removed.

Due to the manpower shortage drills for the team are being scheduled when members are on their off-duty time. This is a new concept and its feasibility will be closely watched.

Service for Fiscal Year 1976 - 1977

Emergency Runs	-	42	Service	-	41 hours
Drills	-	6		-	118 man hours

Harassment - Incidents

During the fiscal year of 1976-1977, two (2) incidents involving harassment occurred.

Physical Fitness Program

A totally revamped physical fitness program will be introduced to San Francisco firefighters in the near future.

Several meetings have been held to develop a program which is more consistent with the needs of the fire department and which will maintain the proper health of the individual.

Specialists in the field of Neurology, Orthopedics, Physical Therapy, Cardiology along with the expertise of Y. M. C. A. personnel are now developing a specific physical fitness program tailored to fire fighting needs.

This physical fitness program will be preceded by physical examination and stress testing.

Firefighting continues to be one of the most hazardous occupations in the United States. The following is a list of disabling or lost time injuries suffered by members of the Department during the fiscal year 1976-1977, indicating nature of injury, part of body affected and the activity taking place at the time of injury:

Nature of Injury

1. Burns except eyes, including chemical burns ----	28
2. Burns, eyes -----	7
3. Lacerations & Punctures -----	54
4. Strains - Sprains - Dislocations -----	414
5. Hernias -----	4
6. Crushing injuries -----	6
7. Fractures or Suspected fractures -----	20
8. Foreign body in eye, eye irritation, conjunctivitis, etc. -----	16
9. Bruises & Contusions -----	160
10. Upper respiratory disease (including smoke inhalation) -----	28
11. Dermatitis (skin disorder) -----	12
12. Other occupational disease -----	27
13. Not elsewhere classified -----	10

Part of Body Affected

1. Eyes -----	20
2. Head - Face - Neck -----	50
3. Heart & Possible Heart -----	10
4. Back - Spine -----	165
5. Trunk - Other than Back -----	10
6. Upper extremities -----	152
7. Lower extremities -----	189
8. Not elsewhere classified -----	9

Activity Involved

1. At Fires -----	518
2. Other Emergencies -----	36
3. Responding on Apparatus -----	49
4. Returning on Apparatus -----	20
5. Accident in Quarters -----	132
6. Training -----	50
7. Not elsewhere classified -----	10

Disability injuries in the above listed category, "Responding on Apparatus" and "Returning on Apparatus", are primarily from stepping on the apparatus or stepping off the apparatus during preparation to leave quarters and upon the return after responding to an alarm.

FIRE PREVENTION & INVESTIGATION



DIVISION OF FIRE PREVENTION AND INVESTIGATION

During the fiscal year of 1976-1977, the Bureau of Fire Prevention and Public Safety operated with a reduced manpower complement due to retirements and lack of replacements. This situation was also reflected in the fire-fighting services.

This manpower shortage necessitated curtailment of numerous activities, among which were the public assembly and night club detail and night institutional inspections, although, we were able to keep abreast of response to complaints and required permit procedures.

BUREAU OF FIRE PREVENTION

The operations of the Bureau of Fire Prevention for the fiscal year 1976-1977 are reported in statistical form as follows:

Inspections and Corrections

Total number of New Inspections	11,013
Total number of Inspections	27,600
Total number of Corrections Obtained	21,388

Of the total number of Inspections listed above, 1,277 were Special Complaints from citizens regarding suspected fire hazards and 105 were Special Investigations of structures involved in Greater Alarms of fire.

Permit Processing

Fire Department Permits

Three hundred fifty-six (356) applications for Fire Department Permits were filed in this Division. Posting and filing fees collected with these applications during the fiscal year totaled \$14,325.

Building Permits

During the fiscal year 2,239 alteration plans were checked and processed by Fire Inspectors assigned to the Bureau of Building Inspection.

During the fiscal year, over 670 building plans for new construction were plan checked by the Fire Inspector assigned to the Bureau of Building Inspection.

Additionally, 1,083 building permits were processed and forwarded to District Fire Inspectors for continuing inspection of the construction until final completion and acceptance.

Permit Processing (cont.)

Occupancy Permits

Department of Public Health -----	448
Department of Public Works -----	152
Department of Social Services -----	218
Police Department -----	206
State Fire Marshal -----	474

Grand Total ----- 1,498

Miscellaneous Reports and Communications

- (1) Five hundred seventy-six (576) reports from Battalion Chiefs were received concerning special building inspections and these reports were processed for investigation and abatement of violations.
- (2) Eight hundred forty-eight (848) Notices of Code Violation and two hundred sixty-four (264) Notices of Violations were issued to obtain compliance with state and local safety codes.
- (3) Numerous meetings, special tests, inspections and Fire Prevention lectures were made and attended by the officers and members of the Bureau.

Fire Prevention Corrections

Automatic Sprinkler Heads Installed -----	240
Automatic Sprinkler Heads Replaced -----	292
Automatic Sprinkler Systems Installed/Extended-----	277
Automatic Sprinkler Systems Repaired/Tested ---	893
Buildings Boarded Up -----	73
Buildings Razed -----	208
Egress, Additional Means Provided -----	215
Emergency Procedures Developed -----	0
Exit Doors, Installed or Altered -----	432
Exit Obstructions Removed -----	599
Fire Alarm Systems Installed -----	129
Fire Alarm Pull Boxes/Bells Tested -----	1,377
Fire Doors & Door Closers Installed/Repaired --	526
Fire Escape Installed -----	137
Fire Escape Repaired & Drop Ladders Provided --	96
Fire Escape Obstructions Removed -----	190
Fire Extinguishers & Extinguishing Systems Installed/Serviced/Tested -----	7,141
Flammable Gas & Liquid Storage -----	221
Hoses & Nozzles Installed/Renewed -----	196
Metal Bins and Covers Provided -----	251
Miscellaneous Fire Hazards Removed -----	340

Fire Prevention Corrections (cont.)

Miscellaneous Corrections Obtained -----	1,760
Nitrons Oxide/Oxygen Installations -----	20
Product of Combustion Detectors Installed	
Serviced/Tested -----	1,067
Rubbish Conditions Removed -----	1,223
Signs and lights Installed/Repaired -----	2,742
Stairways, Installed or Enclosed -----	63
Stairways, Obstructions Removed -----	71
Stairways, Repaired -----	73
Standpipes Repaired/Altered -----	<u>536</u>
TOTAL CORRECTIONS -----	21,388

PRINCIPAL BUILDING OCCUPANCIES INSPECTED AND
IN WHICH FIRES OCCURRED

	<u>New Insp.</u>	<u>Re- Insp.</u>	<u>Total Insp.</u>	<u>FIRES</u>
Theatres	554	313	867	4
Public Assembly	1,624	2,709	4,333	168
Schools	386	1,567	1,953	93
Institutions	1,632	1,047	2,679	96
Hazardous	284	406	690	32
Business	2,579	4,769	7,348	269
Non-Hazardous	7	1	8	5
Residential	3,808	5,627	9,296	2,556
Vacant Buildings	<u>139</u>	<u>148</u>	<u>287</u>	<u>47</u>
TOTAL	11,013	16,587	27,600	3,270

BUREAU OF FIRE INVESTIGATION

Field Activities:

(a) <u>Investigation of Fires:</u>	
Special Investigations -----	930
Follow-up Investigations -----	1,109
Incendiary Origin (all) -----	560
Greater Alarms -----	109
Undetermined Origin-----	60
Burn Cases -----	58
Deaths -----	43
(b) <u>Arrests and Dispositions:</u>	
<u>Felonies:</u>	
Arrests -----	30
Convictions -----	9
Cases Pending (June 30, 1977) -----	11
Acquittals -----	10
<u>Misdemeanors:</u>	
Arrests -----	43
Convictions -----	33
Acquittals -----	47
Citations -----	4
<u>Juveniles:</u>	
Cases held under Juvenile Jurisdiction -----	16
Not Cited -----	62
(c) <u>Court Appearances and Testimony</u> -----	63
(d) <u>Special Complaints</u> referred from Bureau of Fire Prevention	
Investigations -----	26
Follow-up Investigations -----	10

Office Activities:

(a) Fire Records - Compiled and Maintained -----	30,490
(b) Records Search and Copy -----	6,456
(c) \$3,158.50 was collected and deposited in the General Fund for the processing and sale of copies of Fire Reports to Insurance Companies and other interested parties.	

In addition to the building occupancy fires previously listed, the following FIRES occurred during the Fiscal Year 1976-1977:

Buildings - (Principal & Others) -----	3,416
Vehicles -----	1,348
Boats and Ships -----	11
Wharves and Piers -----	39
Miscellaneous -----	170
Grass and Rubbish -----	2,556
<u>TOTAL FIRES</u> -----	7,540

PUBLIC EDUCATION

NATIONAL FIRE PREVENTION WEEK

National Fire Prevention Week, emphasizing fire safety rules for the public, was observed from October 3rd through October 9th, 1976.

As a part of Fire Prevention Week, a program promoting multi-lingual fire prevention pamphlets was carried out by members of the Fire Prevention Bureau, working with members of the Chinese and Spanish speaking communities.

The local radio and television stations were most cooperative in providing generous coverage of Fire Prevention Week. Several public service announcements concerning fire safety were taped and broadcast by radio stations, which donated time to convey our messages to the public.

Most destructive fires are caused by careless actions of people, largely through lack of concern and ignorance of hazards. Many fires caused by faulty equipment rather than carelessness could be prevented if people were trained to spot the faults before it is too late. Many injuries and deaths could be prevented if people knew how to react to a fire, whatever its cause.

With this thought in mind, Chief of Department Andrew C. Casper increased special efforts to visit both public and private elementary schools in the city, as well as, senior citizen's centers, church groups, hospitals, mental health centers, community centers, high-rise buildings and neighborhood associations.

During the fiscal year, July 1, 1976 to June 30, 1977, the Fire Prevention Bureau conducted in-service training sessions to staffs of medical facilities. In addition, 80 presentations were given to over 7,500 people in regards to fire prevention and public safety.

LIAISON

Law Enforcement:

Project "Arson Detection and Identification" is now a city funded system since January 1, 1977. The electronic and micrographic equipment in the Bureau of Fire Investigation is in daily use by the investigators and staff personnel.

Three of the five stages are in operation.

1. Micrographics: Battalion Chief and Field Firefighting Force reports have been transferred to stored rolls of microfilm, (January 1, 1970 to December 31, 1976). Fire Investigation reports have been microfilmed from January 1, 1968 through December 31, 1976.

Law Enforcement: (continued)

2. Criminal Justice Information System: Rapid recovery of necessary information is obtained through the two CRT's and the teleprinter. Information is available to fire investigation personnel from other on-line law enforcement agencies. The agencies most addressed are CABLE (Computer Assisted Bay Area Law Enforcement), PIN (Police Information Network), CLETS (California Law Enforcement Tele-communication System) and NCIC (National Criminal Information Center).
3. San Francisco Arson Information: Fire Investigation reports are now being entered and retrieved from the "CABLE" computer.
4. Comfiche: -(Nearing completion)- As reports are entered the narrative portion is captured by the computer programming and a Comfiche is made of the entire Fire Investigation report. Review of the Comfiche can be made on any of three "Readers" or the "Reader/Printer". (Two Readers ((Microlite)) are portable and assigned to Car 100. They can be used with normal household current or can be activated by means of their automobile cigarette lighter attachment.
5. Statistical Capture: -(To Be Programmed)- After Fire Investigation reports are entered, the individual element entries can be re-captured resulting in a hardcopy printout of required statistics. Printouts will be designed for monthly, calendar year and fiscal year reports.

The California Department of Justice has approved preliminary security plans for Arson Night Quarters, Station 36. When construction has been completed at this site, CRT ARS 1 will be relocated there for use by the investigators.

FALSE ALARMS

In cooperation with other Divisions in the Fire Department there has been a consolidation of fire alarm box services in troublesome areas, which has reduced the number of boxes which would be an attractive nuisance. A committee is responsible for the monitoring and surveying fire alarm boxes from which there is an excess number of false alarms.

The efforts of the Department have been rewarded with a sizeable percentage drop in false alarms when comparing the last two reporting years. In the year 1975-76, there were 34,416 total alarms with 11,904 false alarms for a rate of 34 per cent false alarms. In the year 1976-77, there were 30,596 total alarms with 9,034 false alarms for a rate of 29.5 per cent false alarms showing a reduction of some 24.1 per cent in the amount of false alarms.

PORT FIRE MARSHAL

SAN FRANCISCO PORT COMMISSION

This report summarizes in brief the operations and associated activities of the Port Fire Marshal during the fiscal year 1976-1977.

The basic function of the Port Fire Marshal is to maintain an active, functional fire prevention program which includes inspecting, regulating and controlling quantities and storage of hazardous cargo, inspecting the job-site and issuing welding, burning and fumigation permits, enforcing the Fire Code, abating violations and reviewing plans for alterations and/or new construction to ensure compliance with applicable codes and regulations.

Approximately twenty (20) welding and burning permits are issued to contractors on a monthly renewal basis for utility and general maintenance purposes. Additional permits and certificates are issued that receive on-site inspections. These permits involve welding and burning on ships or vessels, hazardous cargo and fumigations totaling 597 permits for the fiscal year.

There were three greater alarms on Port related property during the fiscal year 1976-1977:

December 17, 1976 - 0014 Hours. Fifth Alarm - 33 Berry Street
PROBABLE CAUSE: Short in wiring igniting combustibles.

March 21, 1977 - 1957 Hours. Fourth Alarm - Pier 80, Shed D
PROBABLE CAUSE: Smoking material igniting combustibles.

April 14, 1977 - 1535 Hours. Second Alarm - Pier 80 (Vishva Sheva)
PROBABLE CAUSE: Friction igniting cotton loaded aboard ship.

The above incidents were investigated and immediate action taken to avoid recurrence.

The Port Fire Marshal functions as liaison officer between the Fire Department, the Port Commission, ship owners and repair companies, transit companies in matters of fire prevention, fire suppression and related conditions. This responsibility requires research, investigation, interviews and meetings which are not summarized herein. These matters function continuously with the recorded operations in coordinating the fire control program.

Fire Safety Director Course

Due to the vital need of educating those civilian persons who must assume the primary leadership and responsibility in emergencies to make high-rise buildings a safe place to work and live, the Chief of Department, in cooperation with the San Francisco Community College District, developed a course of education to meet this need.

During the fiscal year 1976-1977, the Fire Safety Director Course was offered twice, with much success; so much so, that the course will be offered a minimum of three times during the next fiscal year.

Smoke Detector Ordinance

In an attempt to prevent serious injury and life loss in hotels, apartment houses and similar multiple unit housing structures, a smoke detector ordinance was passed by the Board of Supervisors and signed into law by the Mayor. The Fire Department, with the cooperation of the Bureau of Building Inspection and the Chamber of Commerce Code Committee, acted as advisors to the Board of Supervisors and did the preliminary and final draft work for this legislation.

Basically, the ordinance provides that all existing and future occupancies as mentioned above, that are more than two stories in height or have five or more dwelling units or guests rooms shall have smoke detectors installed in all public corridors and public stairways. The smoke detector system will be inter-connected with the building fire alarm system so that activation of any smoke detector will automatically activate the fire alarm system in the building, there by causing notification to all occupants of the building simultaneously.

An important part of this new legislation is contained in an amendment to the Fire Code. This amendment requires an annual inspection and certification of the smoke detector alarm system. The qualifications for the certifier are contained in the legislation and the Fire Department has the right to disqualify a certifier after good cause.

Provisions contained in this ordinance are in effect now as they pertain to new construction. Existing buildings must comply no later than July 1, 1979.

TRAINING



SIMULATOR TRAINING

DIVISION OF TRAINING

During fiscal year 1976-1977, the Division of Training continued its function as the directional center of instruction for the Department.

Training during the year focused on the following:

1. Individual Evaluations
2. Instructional Sessions
3. Fire Simulator Command
4. Battalion Drills

Individual Evaluations involve members performing a number of evolutions at the training center. The evolutions have been published in a Drill Manual which was distributed to all stations. This concept of training places responsibility on the individual as well as the company officer. Written evaluations are made by Division of Training personnel and are posted to the individuals' records. Reports of poor performances are sent to company commanders and re-testing is scheduled.

Instructional Sessions involve direct training of personnel by Fire College staff officers or specialists from either the field or outside the department. These sessions included use of new tools or appliances prior to their being put in service, seminars on arson investigation, traffic citations, alcoholism, high-rise, electric hazards and natural gas shutoffs and valves.

Fire Simulator Command training involves Chiefs, company officers and operators dealing with fire ground problems, realistically simulated through the use of projectors and sound equipment. The purpose of these simulated fire situations is to help develop better communications, coordination and procedures during all stages of fire emergencies. The application of the simulator is not limited, however, to fire extinguishment. It can be used to pre-plan fires in specific buildings, critique past fires and to indoctrinate probationary firefighters to our department's firefighting strategy. During fiscal year 1976-77, 335 Chiefs, company officers and operators have participated at least once in a simulated fire exercise.

Battalion Drills involve participation of a District Chief, his operator, three of his engine companies and one or two of his truck companies. A problem is presented to the group. The Battalion Chief then directs his companies in extinguishing the simulated fire and performing other necessary tasks. A training officer conducts a critique at which time the methods utilized in solving the fire problem are discussed and evaluated by the group.

Training Manual Program:

A major effort was taken to up-date the Department's training manuals. During fiscal year 1976-77, two new manuals (First Aid Practices and Rapid Transit) were compiled, published and distributed. Eight training manuals were completely revised and re-issued. All twenty-five remaining manuals were modified to include the latest information.

Additional responsibilities of the Division of Training included: assisting the Airport Division in their specialized training; aiding the Bureau of Equipment and Bureau of Engineering and Water Supply in the testing of new equipment; budgeting, ordering and dispensing protective clothing for the firefighting forces; assisting in the licensing of Department drivers; processing identification cards; planning, researching, testing and evaluating drill evolutions, training courses and the instructional needs of the Department.

The Total Man Hours of training during fiscal year 1976-77 involving individual evaluations, instructional sessions, fire simulator command and Battalion drills equaled 5,470 hours.

Rulebook Modification

During the past fiscal year 1976-77, a committee was formed for the purpose of screening and evaluating suggestions for improving the Rules and Regulations and Procedure Guide of the Department. The objectives of the committee are:

- To reflect conformance with the latest rulings of State Law, Municipal Codes and Ordinances affecting the San Francisco Fire Department.
- To incorporate necessary new organization plans and nomenclature which will keep the Department in an advanced administrative position.
- To eliminate references to obsolescent procedures in communications which have been displaced by modern computerized Command and Control dispatching techniques.
- To up-date disciplinary statutes so that while the rights of individual firefighters are protected, the obligations of the Department will be fully recognized and advanced for the good of all of our citizens.
- To insure that while the Rules and Regulations retain the needed substance and solidity, a certain flexibility be incorporated in keeping with a "working document".

When modifications are completed, and after approval of the Fire Commission and the Chief of Department, a more useful Rulebook can be expected.

DIVISION OF PUBLIC EDUCATION AND INTERNAL CONTROL



DIVISION OF PUBLIC EDUCATION AND INTERNAL AFFAIRS

The Division of Public Education and Internal Affairs is responsible for a wide variety of departmental functions. They include public education relating to fire and life safety, educational programs for firefighters, labor relations, internal affairs and community relations.

Public Education

With all department divisions, coordinates fire safety and CPR (cardio-pulmonary resuscitation) education programs for schools, community groups, business and institutional organizations. During the past fiscal year approximately 7,500 citizens were given fire safety instructions at various group meetings, and CPR programs were provided for approximately 6,140 citizens. Bilingual decals in the Chinese and Spanish languages were placed on fire alarm boxes in those areas where these language problems are possible.

A Home Fire Safety Survey program is under development in two residential districts, Battalions #7 and #8, designed to gather fire protection information and to inform residents about fire prevention techniques. Firefighters conduct a door-to-door survey compiling information relating to citizens' knowledge of fire protection, and informing residents about the availability of fire protection services. After a three (3) month survey the results were:

Residences attempted to reach	-----	2,650
Residences surveyed	-----	1,300
Residences with smoke detectors	-----	11.9%
Firefighters invited to inspect	-----	12.2%

As a public service, and on request from various organizations, the Department Technical Supervisor conducts a program on Public Education on Emergency Resuscitation. The Technical Supervisor is the Department Specialist in emergency resuscitation, First-aid, breathing apparatus and also supervises instruction within the Department on all those subjects.

A Pilot Program for Cardio-Pulmonary-Resuscitation (CPR) was conducted at a city school with the cooperation of the Red Cross. This program will begin on a full scale basis next fiscal year. Eleven programs were conducted and 132 people were trained.

In-Service Fire Companies Trained:

90 Companies	-	360 Men	-	1,840 Man Hours
--------------	---	---------	---	-----------------

Public Education Training:

133 Lectures	-	6,140 People	-	18,420 Man Hours
--------------	---	--------------	---	------------------

Internal Affairs

Personnel relations and investigations of complaints are conducted under the direction of the Chief and Deputy Chief of Department.

The Vehicle Accident Review Committee is chaired by the Division Chief. All department vehicular accidents are reviewed and interviews of principals are conducted to determine preventive measures. Recommendations are forwarded to the Chief of Department.

Labor relations with Firefighter's Local #798 IAFF are coordinated. Meet and confer sessions between department administrators and union officials are attended by the Division Chief.

Mutual aid with surrounding Bay Area counties is coordinated through the Division as directed by the Chief of Department.

Special projects assigned by the Chief and Deputy Chief of Department are undertaken and developed. Such projects include the Education Promotional Credits in the college fire science program currently under development for Charter revision.

Merit Advisory Board recommendations are coordinated by the Division Chief.

Education of Firefighters

The San Francisco Fire Department recommendations for the fire science curriculum at the San Francisco Community College are made as Advisor to the Community College District.

A Spanish language program was conducted at Station #7 for company officers and members serving the large Spanish-speaking community, designed to assist department members at emergency situations where language problems can be effectively handled.

A revised study scope for Lieutenants and Captains ranks was issued by the Chief of Department for reference by the Civil Service Commission in the promotional examination construction process.

A Charter amendment was prepared for the November 1977 ballot under a consent decree issued by Federal Judge Sweigert whereby the principals in the WACO vs. Alioto lawsuit agreed to a course of action.

Community Services

The office of Community Services developed and participated in programs designed to confront problems before they surfaced and to provide a closer, more sensitive contact with the community. Gaps have been bridged between children, young adults, community organizations and the community in general.

Community Services (continued)

Where language and socio-economic barriers once existed to an intolerable degree, there now exists cooperation and concern at every community level by the Fire Department Administration.

An attempt by the office of Community Services was made to develop out-reach programs designed to install a communications mechanism that would demonstrate an understanding of the community by the Fire Department and vice-versa.

This office also focused on the following:

Developed and presented to the Chief of Department an Affirmative Action Proposal designed to comply with the Department of Justice, Equal Employment Opportunity Commission and Fair Employment Practices Commission guidelines.

Collaborated with Chief, Division of Public Education and Internal Affairs in the development of an Education Promotional Credit Charter Amendment proposal for presentation to the voters for the November, 1977 General Municipal Election.

Developed and coordinated, with the assistance of the San Francisco Community College District, a physical agility and physical conditioning program for the 5,407 H-2 firefighter applicants. Approximately 269 applicants were females. The training program was coordinated with the assistance of the Commission on the Status of Women.

Special projects - arranged locations and developed materials for the Fire Commission's Community Meetings, conducted school visitations, maintained contact with the Mayor's Office of Manpower to secure C.E.T.A. employees for assignment to the Fire Department, arranged for apparatus demonstrations in neighborhoods and schools, maintained liaison with the American Red Cross to assist when there was a need by fire victims, developed and maintained statistical reports relating to ethnic/racial composition for the Fire Department, coordinated the assignment of Summer Youth Program employees to the Fire Department.

Regularly attended community organization meetings and governmental agency meetings when requested.

Toy Program - San Francisco Fire Department

The Toy Program was again a success in that the program gave out approximately 70,000 toys to the needy children of the City and County of San Francisco.

Toy Program - San Francisco Fire Department (cont.)

The Toy Program is a cooperative program shared between the Fire Department and the San Francisco Firefighters Local 798. This venture is an effort by members within the department where by toys are collected, renewed and apportioned to under privileged children and their families within the community. Funds are provided by the Union and manpower and job site requisites are contributed by the Department Administration and firefighter volunteers.

For the first time in the history of the Toy Program, an evening in the sport of boxing was held at the Civic Auditorium in an effort to raise money to buy the needed toys.

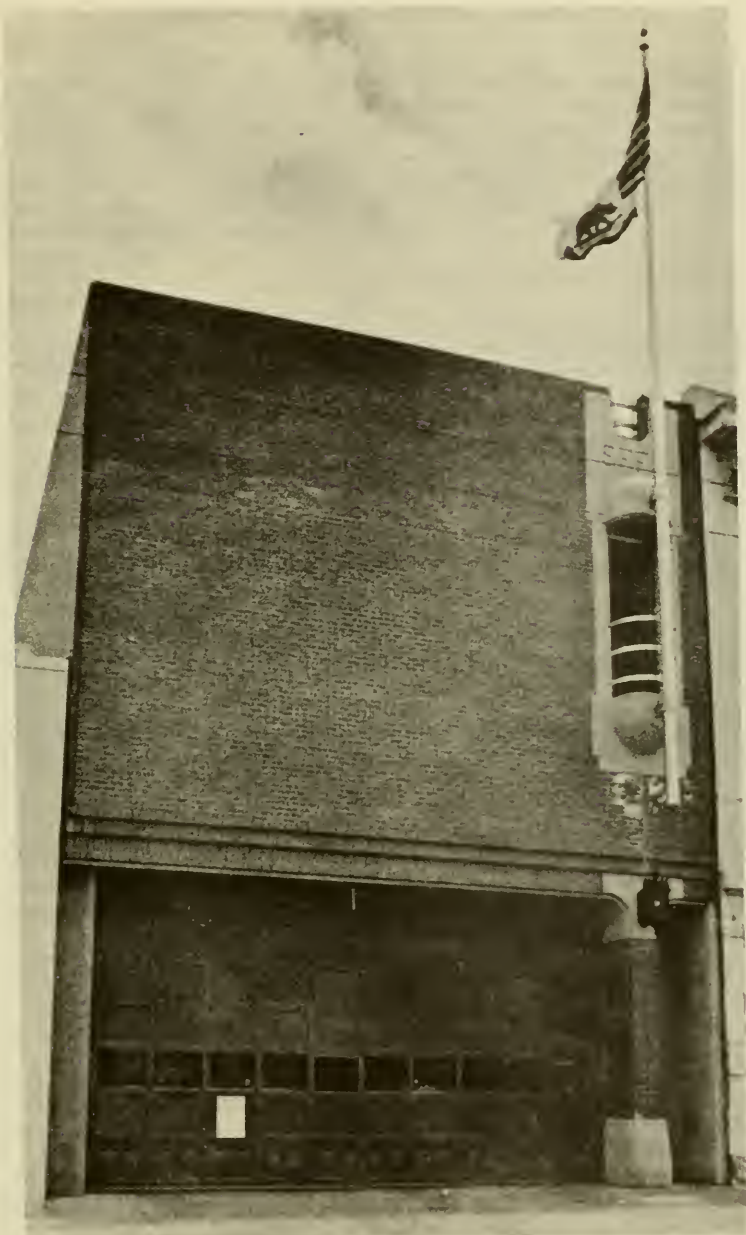
Fire League Athletic and Musical Events (F.L.A.M.E.)

Fiscal year 1976-1977 marked the seventh (7th) consecutive year of continued growth for the San Francisco Fire Department's youth activities program.

F.L.A.M.E. now has over 7,000 participants (boys and girls) in baseball, basketball and soccer leagues.

Also, through the generous assistance of our off-duty firefighters, we continued our rewarding fishing program at Lake Merced with the handicapped children of the Sunshine School.

PLANNING AND RESEARCH



STATION 3...POST AND POLK STREETS

DIVISION OF PLANNING AND RESEARCH

The Division of Planning and Research performs many roles in support of the operating forces including, but not limited to, station construction, station maintenance, overseer of the High Pressure System, consultant to developers of new construction regarding fire flow requirements, hydrant installation, Bond Issue initiation and subsequent administration, station furniture procurement and distribution and Fire Department representation concerning street pattern changes and accessibility.

Construction Program

Station 42, 2430 San Bruno Avenue is the first station scheduled for reconstruction under the November, 1974 Bond Issue. The project is scheduled to be advertised for bid in early July, 1977 with construction to start in early October 1977.

Station 25, 3305 - 3rd Street, remodeling of this station was started on September 20, 1976 and was completed on March 25, 1977.

Station 34, 499 - 41st Avenue and Station 40, 2155 - 18th Avenue plans and specifications are being completed for the remodeling. These projects are scheduled for completion in fiscal 1977-78.

Station 8, 36 Bluxome Street - a program is being developed for the remodeling. Plans and specifications will be developed with the project scheduled to begin in fiscal 1977-78.

Station 4, 1648 Pacific Avenue - architectural plans are being completed for the reconstruction. This project is scheduled to go to bid date in fiscal 1977-78.

Station Maintenance

Upkeep of stations and minor alterations are performed on a schedule based on assigned priority and as permitted by budgeted funds of the Bureau of Building Repair. Day-to-day repairs are processed by the Division of Planning and Research and forwarded to the Bureau of Building Repair. In fiscal 1976-77, 1,172 building repair requests were processed by this Division.

Bond Issue

It is planned to present a \$6,000,000 Fire Department Improvement Bond to the voters in November, 1977. Successful passage of the Improvement Bond will allow the Department to extend the High Pressure System from 19th Avenue and Irving to 19th Avenue and Ulloa Street, to purchase a new modern high-speed fireboat to replace the existing fireboat Phoenix and to provide automatic valve control for Ashbury Tank.

BUREAU OF ENGINEERING AND WATER
SUPPLY

This Bureau, under the direction of a Senior Mechanical Engineer (Water Supply Superintendent), is responsible for the engineering and maintenance of the Auxiliary Water Supply System (High Pressure System), the maintenance of the hydrants connected to the domestic water supply system, the maintenance of Fire Department cisterns, the maintenance of standpipes on public and private buildings and for day-to-day professional engineering assistance as needed by the department.

During the past year, due to additions to the Auxiliary Water Supply System and changes in the city streets pattern, eight(8) new high pressure hydrants were installed and one (1) was relocated. Currently, there are 1,405 high pressure hydrants in service.

During this same period twenty (20) low pressure hydrants have been installed, three (3) permanently removed and twenty-two (22) relocated. There are now 7,736 Fire Department hydrants and 218 private hydrants in service on the domestic supply.

There are 150 cisterns located throughout the city for emergency water supply; the majority of the cisterns contain 75,000 gallons each and are kept filled by the Bureau personnel.

Dry standpipes on buildings are tested by the Bureau before acceptance and after alteration or repair and are periodically serviced. In fiscal year 1976-77, twelve (12) new standpipes were placed in service, ninety-two (92) permanently removed and nine (9) altered or repaired. Records show 2,650 standpipes in service.

The Bureau utilized Electronic Data Processing to improve its records on hydrant and standpipe servicing in line with the standards established by the Insurance Service Offices. These records reveal a deficiency in frequency of such servicing due, in large part, to inadequate manpower, antiquated equipment and diversion of manpower due to numerous public and private construction projects.

Due to a mandated salary savings program, Pumping Station No. 1 was out of service from November 1, 1976 till the end of the fiscal year. Personnel from Pumping Station No. 2 were periodically detailed to Pumping Station No. 1 to test the equipment and perform maintenance work.

DIVISION OF AIRPORTS



DIVISION OF AIRPORTS

Organization

The Airport Division is composed of a Division headquarters and three (3) subordinate companies. The Division office and Airport Companies 1 and 3 are located in Rescue Station No. 1. Airport Company 2 is located in Rescue Station No. 2. The Fire Inspector's office is located in the Airport Planning and Engineering building.

The Division Chief, training officer and fire inspector work a five (5) day week, 0800 to 1700 hours and are subject to recall in their off-duty status. All other personnel work the standard tour of duty for the San Francisco Fire Department.

Training

Training of Division personnel is conducted daily. Supervision is under the Division Chief and training is conducted by the training officer and company officers. Guidelines for training are FAA Advisory Circulars, the National Fire Science Training Center and applicable San Francisco Fire Department Training Manuals. The Airport Division operates drills from a separate schedule of drills pertinent only to the airport. Drills include "Hot-Fire" drills and "Red Cap" exercises. The latter are disaster drills involving all key Airport Departments with the occasional participation by San Mateo County Fire Departments and the San Francisco Fire Department.

Emergency Alarms

Classification of alarms is as follows: Alert #1 is a potential aircraft accident or emergency, but aircraft is not expected to land at the airport for at least five (5) minutes; Alert #2 is an accident in progress or imminent; and others are self-explanatory.

Alert #1	157		
Alert #2	26	<u>First Aid Response</u>	
Fire Alarms	705	Resuscitations	726
First Aid	1,101	Cardiac Compressions	410
Fuel Spills	76	Misc. First Aid	375
Code 10	56	TOTAL	1,101
TOTAL	2,121	SERVICE	1,428:17 hrs.

CERTIFICATION

The Airport Division has been certified by the Department of Transportation (DOT) as meeting the requirements of FAR Part 139 for a Class "E" airport. This was confirmed by an annual inspection conducted by the Western Regional Office of the FAA.

Fire Prevention and Investigation

New Construction plans reviewed -----	121
Alteration plans reviewed -----	302
Buildings inspected/reinspected -----	449
Fuel tank truck inspections -----	218
Fuel spills investigated -----	76
Underground fuel tank inspection -----	16
Meetings, Airport and Fire Marshal -----	208
Emergency night calls and investigations -----	44
Off-duty night public assembly work -----	86 hours

Responsibilities

The Airport Division is responsible for:

1. Aircraft Crash-Fire-Rescue (CFR) protection to standards specified in Federal Aviation Regulation (FAR) Part 139, and to applicable Advisory Circulars (AC) as directed by the Department of Transportation (DOT).
2. Structural fire protection to applicable local, state and national codes.
3. Emergency first-aid and resuscitation.
4. Water rescue in waters adjacent to the San Francisco Airport.
5. Fire Prevention and investigation.
6. Administrative management to include: budget preparation, development of equipment specifications, acceptance testing and evaluation of equipment, contracts, permits, planning, maintenance of records and personnel management.
7. Training in aircraft CFR, structural fire, first-aid and resuscitation to standards established by the San Francisco Fire Department, State and Federal Directives.

Equipment

Equipment changes in fiscal year 1976-77 were a new garage and rescue vehicle used for all first-aid and fire alarms in terminal and garage area; and a new rescue boat including an Avon inflatable plus equipment for two (2) underwater rescue men.

DEPARTMENT CHAPLAINS & PHYSICIAN



REVEREND
RONALD GRUMM
PROTESTANT



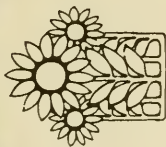
RABBI
MARTIN WEINER
JEWISH



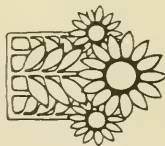
REVEREND
DANIEL SULLIVAN
CATHOLIC



DOCTOR
V. P. BONFILIO
DEPARTMENT PHYSICIAN



In Memoriam



Firefighter - Active

Melvin R. Morrow February 15, 1977

WHAT IS A FIREFIGHTER?

He's the guy next door

He's the man with the sharp
memory of a little boy who
never got over the excitement
of engines and sirens
and smoke and danger.

He's a guy like you and me
with warts and worries and
unfulfilled dreams.

Yet he stands taller than
most of us.

He's a Firefighter

He puts it all on the line
when the bell rings.

A Firefighter is at once
the most fortunate and the
least fortunate of men

He's a man who savors life
because he has seen too much
of death. He's a gentle-
person because he has seen
too much of the awesome
power of violent forces
out of control. He's a

man responsive to a child's
laughter because his arms have
held too many small bodies
that will never laugh again.

He's a man who appreciates the
simple pleasure of life...
hot coffee held in numbed,
unbending fingers...the flush
of fresh air pumping through
smoke and fire convulsed
lungs...a warm bed for bone
and muscle compelled beyond
feeling...the comradeship of
brave men...the divine peace
of selfless service and a
job well done in the name of
all men.

He doesn't wear buttons or
wave flags or shout obscenities
and when he marches, it is to
honor a fallen comrade.

He doesn't preach the brother-
hood of man.

HE LIVES IT.



SF
F55
#1

1977/78

C2

SAN FRANCISCO FIRE DEPARTMENT



Annual Report

1977 - 1978



Andrew C. Casper

CHIEF *of* DEPARTMENT

CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO FIRE DEPARTMENT



ANDREW C. CASPER
CHIEF OF DEPARTMENT

EMMET D. CONDON
DEPUTY CHIEF OF DEPT

260 GOLDEN GATE AVENUE
SAN FRANCISCO, CA., 94102
Phone (415) 861-8000, Ext 281

September 12, 1978

Honorable President and
Members of the Fire Commission

Ladies and Gentlemen:

I respectfully submit the Fire Department's 1977-78 Annual Report in accordance with Charter Section 3.501.

This report is submitted with a change of format necessitated not only by budgetary limitations but by statistical reporting requirements as well, to factually present the basic operations of the Fire Department in each work program described herein. Included are general narrative details of plans that have been implemented and results of numerous cooperative efforts by department personnel.

In statistical terms, comparing the two previous fiscal years with the one being reported, a downward trend in fire-related incidents has occurred, with decreases occurring in major alarms with a reduction of 37%, and total fires with a reduction of 13.65%. These reductions may be attributed to the aggressive firefighting skills of our firefighters and concentrated fire prevention activities. Fire deaths have also decreased 34% during this period.

It should be noted that total alarms have increased 8.11% from 30,596 to 33,078 over fiscal year 1976-77. "First Responder" medical aid and resuscitation calls were responsible for the major part of this increase, with resuscitation responses increasing dramatically by more than 82% during this fiscal year.

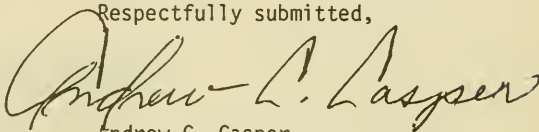
The most costly crime of violence in this country is arson, which has shown a 789% rise from 1963 through 1977 in San Francisco, has risen less than 2% this past fiscal year. This is directly related to the vigorous efforts of the Arson Task Force, in operation since Mayor George R. Moscone announced its formation on October 12, 1977. The arson arrest rate has risen 25% and the District Attorney's arson conviction rate has risen to an astonishing 67%.

Honorable President and
Members of the Fire Commission

- 2 -

I would like to take this opportunity to express my sincere appreciation to Mayor George R. Moscone, the Fire Commission, the Board of Supervisors and other officials for their cooperation and assistance this past fiscal year. Additionally, a special thanks to the public-spirited citizens and the news media for their continued understanding and support.

Respectfully submitted,

A handwritten signature in dark ink, reading "Andrew C. Casper". The signature is fluid and cursive, with the first name "Andrew" written in a larger, more prominent script than the last name "Casper".

Andrew C. Casper
Chief of Department

GEORGE R. MOSCONE
MAYOR

FIRE COMMISSION

John P. Figone Jr. - President, Fire Commission
Joyce J. Ream - Vice-President, Fire Commission
Agnes Barnhill - Fire Commissioner
Juanita DelCarlo - Fire Commissioner
Curtis McClain - Fire Commissioner

Raymond G. Connors - Secretary to Fire Commission Room 204

SAN FRANCISCO FIRE DEPARTMENT
Headquarters
260 Golden Gate Avenue
San Francisco, California, 94102

Chief of Department Room 225
Andrew C. Casper

Deputy Chief of Department Room 225
Emmet D. Condon

Bureau of Administration Room 225
Ray A. Landi - Secretary to Chief of Department

Division of Fire Prevention and Investigation Room 327
William Graham - Fire Marshal

Division of Planning and Research Room 210
Robert Rose - Division Chief

Division of Public Education and Internal Control Room 309
John Sherratt - Division Chief

Bureau of Assignments and Communications - Personnel Center Room 314
Charles Cresci - Battalion Chief

Office of Emergency Services Room 208
Peter Turdici - Lieutenant

Bureau of Community Services Room 309
Earl Gage - Coordinator, Community Services

Bureau of Engineering and Water Supply Room 219
Eugene Andersen - Superintendent

Fire Department Physician Room 307
Victor P. Bonfilio, M.D.

Division of Training		2310 Folsom Street
Andrew J. Brandi	- Division Chief	
Division of Airports		S.F. Int'l Airport
Robert Barry	- Division Chief	
Bureau of Equipment		2501-25th Street
Clayton B. Frazee	- Captain	
Communications and Dispatch Center		1003 Turk Street
Eugene G. Calamoneri	- Captain	

Fire Department Chaplins

Catholic Chaplin		
Father Daniel Sullivan	- Sacred Heart Church	
Jewish Chaplin		
Rabbi Martin Weiner	- Temple Sherith Isreal	
Protestant Chaplin		
Reverend Roland E. Grumm	- St. Paulus Lutheran Church	

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Fiscal

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Salary Range 4

Promotions

Uniformed Force 5

Total Appointments - Uniformed Force 8

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Separations

Uniformed Force 9

Total Terminations - Uniformed Force 11

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C.E.T.A. Appointments 12

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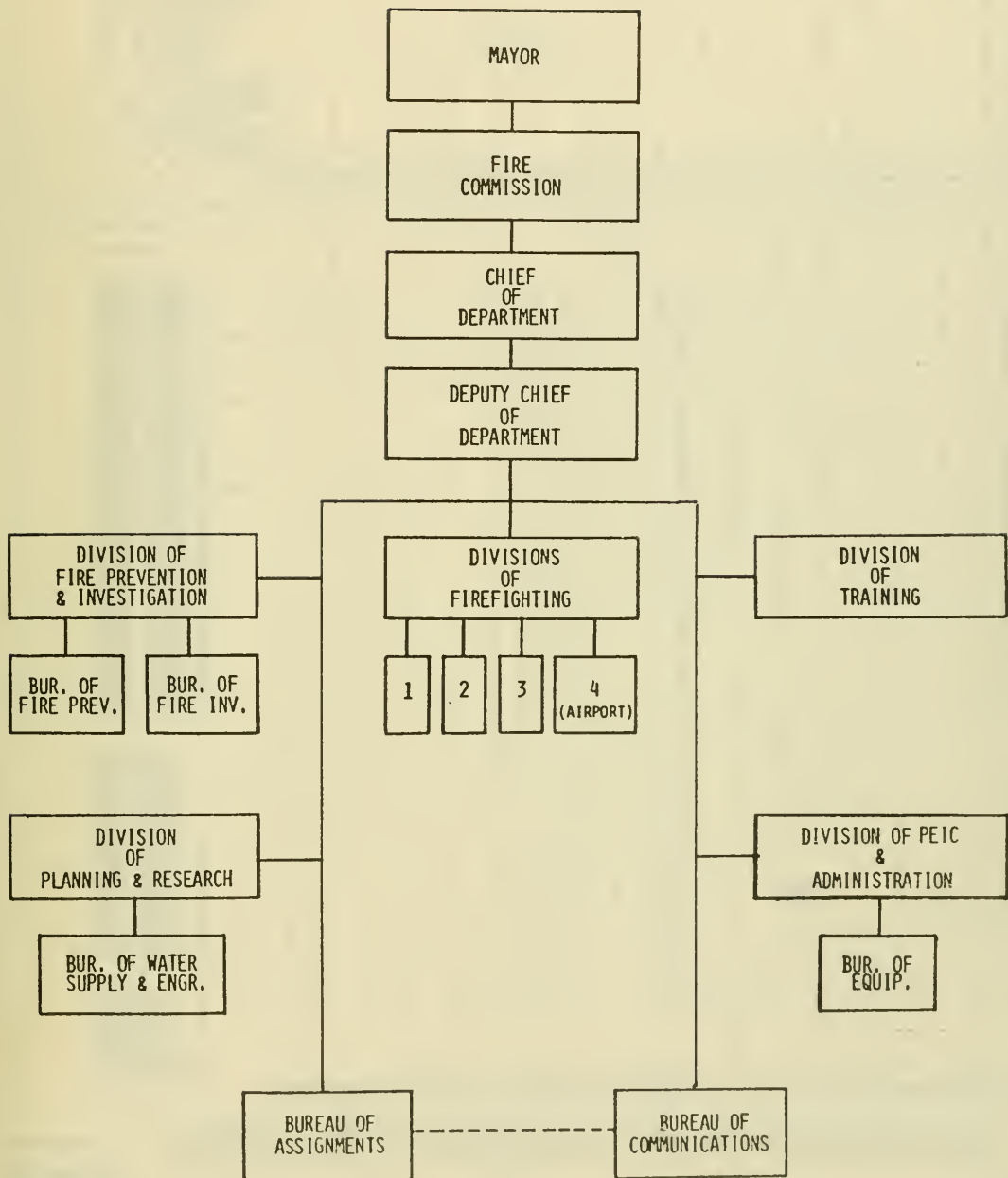
ADMINISTRATION
AND
DIVISION OF PUBLIC EDUCATION
AND INTERNAL CONTROL



ADMINISTRATION AND
DIVISION OF PUBLIC EDUCATION - INTERNAL CONTROL

- . Fire Commission manages Fire Department, with day-to-day administrative and fire-fighting operations performed under direction of Chief of Department, through headquarters staff and firefighting personnel.
- . Budget prepared and recommended by Chief of Department and submitted by Fire Commission.
- . Public Education and Information.

5 - 160 Member, Fire Commission	P
1 - 140 Chief of Department	P
1 - 150 Deputy Chief of Department	P
1 - H50 Assistant Chief	P
1 - 155 Secretary to Chief of Dept.	P
1 - H30 Captain	P
2 - H20 Lieutenant	P
1 - H18 Coordinator, Community Svces.	P
1 - H10 Chief's Operator (Supv., Breathing Equipment)	P
2 - H2 Firefighter	P
1 - 1540 Secretary, Fire Commission	P
1 - 1654 Principal Accountant	P
1 - 1650 Accountant	CETA
1 - 1770 Photographer	P
1 - 1450 Prin. Clerk Stenographer	P
1 - 1446 Sr. Clerk Stenographer	P
2 - 1426 Sr. Clerk Typist	P
1 - 1424 Clerk Typist	CETA
1 - 1222 Sr. Payroll & Personnel Clk.	P
2 - 1220 Payroll Clerk	P
1 - 1220 Payroll Clerk	CETA
1 - 2220 Physician	P
1 - 2708 Custodian	P
1 - 5362 Civilian Engineering Asst. II (New) Vacant	P
1 - 8207 Bldg. & Grounds Patrolman	CETA



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SAN FRANCISCO FIRE DEPARTMENT - AUTHORIZED PERSONNEL BUDGET - 1977 / 1978

UNIFORMED PERSONNEL
SUPPORT SERVICES

CHIEF OF DEPARTMENT
DEPUTY CHIEF OF DEPARTMENT
BUR. OF ADMINISTRATION
BUR. OF ASSIGNMENT
BUR. OF COMMUNICATIONS
BUR. OF EQUIPMENT
DIV. OF TRAINING
DIV. OF FIRE PREV. & INVEST.
BUR. OF INVESTIGATION
BUR. OF FIRE PREVENTION
PORT FIRE MARSHAL
DIV. OF PLANNING & RESEARCH
BUR. OF ENG. & WTR. SUP.
DIV. PUB. ED. & INT. CONTROL

TOTAL

C.D. 140	D.C. 150	S.C.D. 155	A.C. H-30	B.C. H-40	CAPT. H-30	LT. H-20	COORD. H-18	OPR. H-10	F.F. H-2	PILOT H-120	M-ENG. H-110	CAPT. H-32	LT. H-22	LT. H-24	INSP. H-4	INV. H-6	TOTAL
1	1	1		1	1	2		3	2								4
					1	2		3									4
					1	8			8								6
					1				8								3
			1		1	2											17
			1		1												9
												2					4
													3	1			1
			1											1	36	8	41
																	1
			1				1	1	7								1
1	1	1	4	1	4	14	1	7	25			2	4	1	36	8	110

FIRE FIGHTING SERVICE

DIVISIONS 1, 2, 3, 4

DISTRICTS 1 to 10

ENGINE COMPANY	1	
ENGINE COMPANY	2	
ENGINE COMPANY	3	
ENGINE COMPANY	4	
ENGINE COMPANY	5	
ENGINE COMPANY	6	
ENGINE COMPANY	7	AHT 7
ENGINE COMPANY	8	
ENGINE COMPANY	9	
ENGINE COMPANY	10	
ENGINE COMPANY	11	
ENGINE COMPANY	12	
ENGINE COMPANY	13	AHT 1
ENGINE COMPANY	14	
ENGINE COMPANY	15	
ENGINE COMPANY	16	
ENGINE COMPANY	17	
ENGINE COMPANY	18	
ENGINE COMPANY	19	
ENGINE COMPANY	20	
ENGINE COMPANY	21	AHT 21
ENGINE COMPANY	22	
ENGINE COMPANY	23	
ENGINE COMPANY	24	
ENGINE COMPANY	25	
ENGINE COMPANY	26	
ENGINE COMPANY	27	
ENGINE COMPANY	28	
ENGINE COMPANY	29	
ENGINE COMPANY	30	
ENGINE COMPANY	31	
ENGINE COMPANY	32	
ENGINE COMPANY	33	
ENGINE COMPANY	34	
ENGINE COMPANY	35	
ENGINE COMPANY	36	
ENGINE COMPANY	37	
ENGINE COMPANY	38	
ENGINE COMPANY	39	
ENGINE COMPANY	40	
ENGINE COMPANY	41	
ENGINE COMPANY	42	
ENGINE COMPANY	43	
ENGINE COMPANY	44	

TRUCK COMPANY	1
TRUCK COMPANY	2
TRUCK COMPANY	3
TRUCK COMPANY	4
TRUCK COMPANY	5
TRUCK COMPANY	6
TRUCK COMPANY	7
TRUCK COMPANY	8
TRUCK COMPANY	9
TRUCK COMPANY	10
TRUCK COMPANY	11
TRUCK COMPANY	12
TRUCK COMPANY	13
TRUCK COMPANY	14
TRUCK COMPANY	15
TRUCK COMPANY	16
TRUCK COMPANY	17
TRUCK COMPANY	18
TRUCK COMPANY	19
TRUCK COMPANY	20

FIRE BOAT	1
RESCUE SQUAD	1
RESCUE SQUAD	2
SERVICE SQUAD	1
SEARCHLIGHT	2
UTILITY UNIT	1
AIR COMPRESSOR	1
AIRPORT COMPANIES	
RELIEF PERSONNEL	

TOTAL

[illegible]

NON-UNIFORMED FORCE

FIRE COMMISSION OFF.
CHIEF'S OFFICE
BUR. OF FIRE PREV.
BUR. OF ENG. & WTR. SUP.
DIV. OF TRAINING
BUR. OF ASSIGNMENTS

TOTAL

CS 1411	COM 160	SEC 1340	ACC 1634	SCS 1446	SP 1426	CT 1424	PCS 1436	SPPC 1232	PC 1220	PG 1202	PHY 2220	WSS 3258	FIVE 7334	STATS 7205	HYDRANT DEPARTMENT				PHO 1770	TOTAL
1	5	1	1	1	2	1	1	1	2		1								1	15
				1	1							1	2	9	1	1	12	2		3
					1					2										28
																				1
1	5	1	1	2	4	1	1	1	2	2	1	1	2	9	1	1	12	2	1	51
																			TOTAL	168

TOTAL	1685
-------	------

PERSONNEL

Employments

The number of authorized employments for the Fire Department totaled 1,685 for the fiscal year 1977-78. This was a decrease of seventy-eight below 1976-77. The total Fire Department authorized employments for 1977-78 are detailed as follows:

<u>UNIFORMED FORCE</u>	<u>NON-UNIFORMED FORCE</u> <u>Headquarters Office</u>
1 - Chief of Department	5 - Member, Fire Commission
1 - Deputy Chief of Department	1 - Secretary, Fire Commission
1 - Secretary to Chief of Department	1 - Physician (Part Time)
16 - Division Chief	1 - Principal Accountant
43 - Battalion Chief	1 - Principal Clerk Stenographer
84 - Captain	1 - Sr. Payroll & Personnel Clk.
221 - Lieutenant	2 - Payroll Clerk
1 - Coordinator Community Services	2 - Sr. Clerk Stenographer
57 - Chief's Operator	1 - Clerk Stenographer
1150 - Fire Fighter	4 - Senior Clerk Typist
3 - Pilot, Fireboat	1 - Clerk Typist
4 - Marine Engineer, Fireboat	1 - Photographer
2 - Captain, Bur. Fire Prevention	2 - Personnel Clerk
4 - Lieutenant, Bur. Fire Prevention	
37 - Inspector, Bur. Fire Prevention	
1 - Lieutenant, Bur. Fire Invest.	
8 - Investigator, Bur. Fire Invest.	
	<hr/>
	23 - Total - Headquarters Office
	<hr/>
	<u>Bur. Engineer & Water Supply</u>
	1 - Supt., Bur. Water Supply
	1 - Foreman, Bur. Water Supply
	1 - Sub-Foreman, Bur. Water Supply
	2 - Chief Stationary Engineer
	9 - Stationary Engineer
	12 - Utility Plumber
	2 - General Laborer
	<hr/>
	28 - Total - Bur. Engineer & Water Supply
	<hr/>
	51 - Total - Non-Uniform - 3.027 %
	<hr/>
	<u>TOTAL AUTHORIZED EMPLOYMENTS</u>
	July 1, 1977

1,685

Specific assignments of these employments are detailed on the authorized personnel assignment chart.

FISCAL

Budget - Personnel Services

Under the provisions of Section 8.405, City Charter, the rates of compensation of the uniformed force of the Department are fixed by ordinance of the Board of Supervisors.

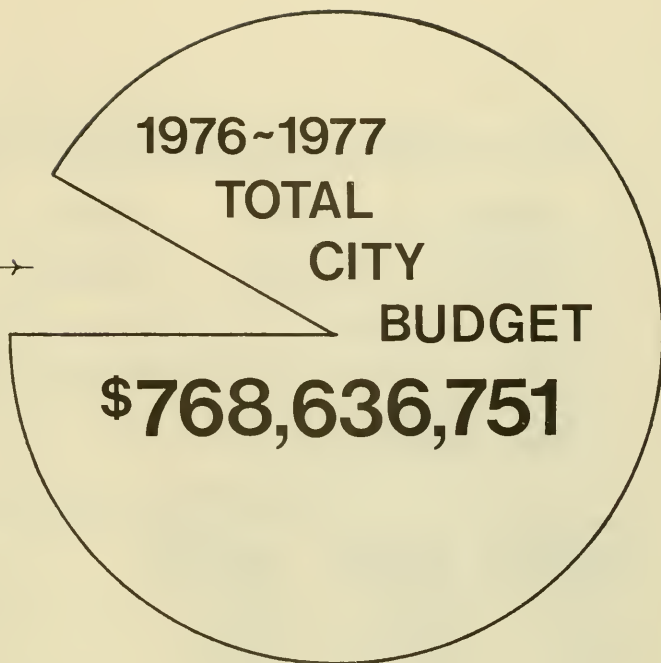
The salary range is based upon survey and certification by the Civil Service Commission of the average paid fire fighters and police officers in California cities of 350,000 or more population. ,

Personnel

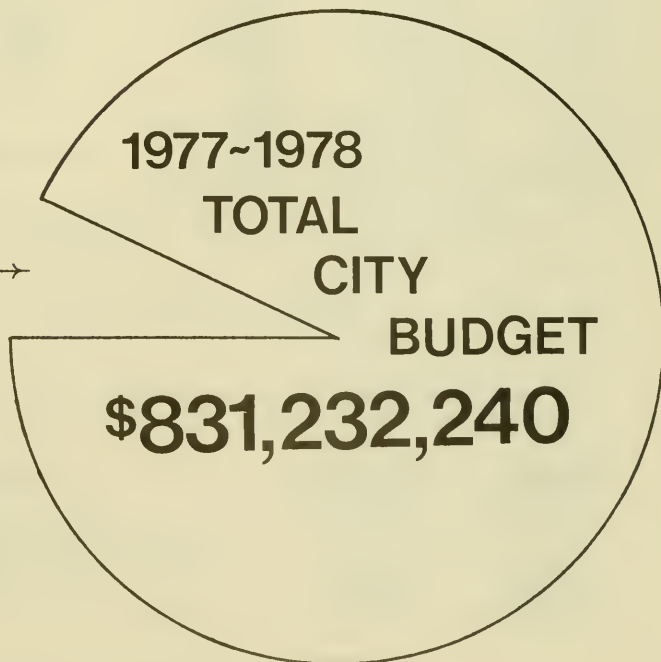
	<u>1976-77</u>	<u>1977-78</u>	<u>Increase (Decrease)</u>
Budget Estimate	\$36,545,960	\$36,221,924	(\$324,036)
Budget Expended	\$34,592,779	\$35,010,032	\$417,253

Total personnel costs include permanent salaries and wages, overtime, Holiday pay, temporary salaries and differential pay.

1976~1977
TOTAL
FIRE DEPARTMENT
BUDGET
\$65,562,535
or 8.53%
of the TOTAL
CITY BUDGET



1977~1978
TOTAL
FIRE DEPARTMENT
BUDGET
\$63,473,512
or 7.64%
of the TOTAL
CITY BUDGET



Budget - Data

During fiscal year 1977-78, budget allowances and expenditures compared to fiscal year 1976-77 for the Fire Department were as follows:

	<u>1976-77</u>	<u>1977-78</u>	<u>Decrease</u>
Budget Allowances	\$65,562,535	\$63,473,512	\$2,089,023
Expenditures	\$62,356,362	\$61,949,210	\$ 407,152

Expenditure categories and percentages are as follows:

Personnel services and related fringe benefits.	\$60,407,921	97.5%
Equipment	203,709	.3%
Other	1,337,580	2.2%
Total	\$61,949,210	100.0%

Recapitulation of Budget Allowances and Expenditures:

<u>Description</u>	<u>Allowance</u>	<u>Expended</u>	<u>(over)/under Expenditures</u>
Personnel Salary & Wages	\$36,221,924	\$35,010,032	\$ 1,211,892
Contractual Services	250,813	210,180	40,633
Other Professional Services	70,600	70,600	-0-
Materials & Supplies	356,389	338,966	17,423
Equipment	216,455	203,709	12,746
Library & Reference Books	891	891	-0-
Maintenance & Repairs - Buildings	29,500	19,179	10,321
- Auto	500,000	500,000	-0-
- Others	190,000	190,000	-0-
Fixed Charges (Dues)	288	255	33
Meritorious Awards	3,000	2,667	333
Fringe Benefits	25,628,810	25,397,889	230,921 **
Services of other departments - EDP	4,842	4,842	-0-
	<u>\$63,473,512</u>	<u>\$61,949,210</u>	<u>\$ 1,524,302</u>

* Note - Federal Revenue Sharing of \$7,025,000 included in total expended for salaries.

** Amount expended for Fringe Benefits is estimated.

Department Revenues:

Estimated revenues and amounts collected during fiscal year 1977-78 were as follows:

<u>Account</u>	<u>Description</u>	<u>Estimated</u>	<u>Collected</u>
7166	Posting Fees	\$ 2,100	\$ 1,566
7167	Original Filing Fees	13,000	11,243
7188-9	Minor Damages & Miscellaneous		
	Service (Copy Service Charges)	17,000	18,072
7192	Roof & Salvage Covers	6,700	1,453
	Totals ***	<u>\$ 38,800</u>	<u>\$ 32,334</u>

*** Collected by the Fire Department. Does not include collections made by other departments.

S.F.F.D.

SALARY RANGE

<u>Uniformed Force</u>	<u>1976-77</u>	<u>1977-78</u>	
Chief of Department	\$ 1904.83	\$ 1966.90	bi-weekly
Deputy Chief of Department	1602.76	1654.71	"
Division Chief	1301.15	1343.45	"
Secretary to Chief of Department	1261.15	1302.07	"
Battalion Chief	1125.98	1162.76	"
Captain	938.85	969.20	"
Lieutenant	821.61	848.28	"
Coordinator of Community Services		847.82	"
Chief's Operator	770.57	795.40	"
Captain, Bureau of Fire Prevention & Public Safety	1060.69	1095.17	"
Lieutenant, Bureau of Fire Prevention & Public Safety	928.28	958.62	"
Lieutenant, Bureau of Fire Investigation	928.28	958.62	"
Investigator, Bureau of Fire Investigation	847.82	874.94	"
Inspector, Bureau of Fire Prevention & Public Safety	847.82	874.94	"
Pilot & Marine Engineer, Fireboat	938.85	969.20	"
Firefighter - 1st year	614.71	630.34	"
Firefighter - 2nd year	641.38	704.83	"
Firefighter - 3rd year	673.56	714.02	"
Firefighter - 4th year	707.13	730.11	"

Non-Uniformed Force

Fire Commissioner	\$ 100.00	Per month
Secretary - Fire Commission	866.00	bi-weekly
Physician - Part Time	1153.75	"
Superintendent, Water Supply System	1131.00	"
Foreman, Water Supply System	12.73	Per hour
Sub-Foreman, Water Supply System	12.13	"
Chief Stationary Engineer	11.50	"
Stationary Engineer	9.23	"
Utility Plumber	11.03	"
Laborer	7.563	"
Principal Accountant	788.00	bi-weekly
Senior Payroll and Personnel Clerk	467.00	"
Principal Clerk Stenographer	505.00	"
Senior Clerk Stenographer	460.00	"
Payroll and Personnel Clerk	426.00	"
Senior Clerk Typist	428.00	"
Clerk Typist	398.00	"
Photographer	549.00	"

PROMOTIONS - UNIFORMED FORCE

The following promotions were made among the various uniformed ranks during fiscal year 1977-78:

<u>Rank</u>	<u>Effective Date</u>
<u>Division Chief</u> H-50	
Jack F. Cavallero	July 13, 1977
Joseph A. Sullivan	February 28, 1978
<u>Secretary to Chief of Department</u> 0155	
Ray A. Landi	March 15, 1978
<u>Battalion Chief</u> H-40	
Patrick Connolly	July 1, 1977
Joseph L. DelBene	July 8, 1977
Thomas J. Carroll	July 13, 1977
Joseph J. Clement	July 13, 1977
Eugene J. Anderson	July 13, 1977
Richard F. Groger	March 15, 1978
<u>Captain</u> H-30	
William Herndon	July 1, 1977
Joseph Baggetta Jr.	July 8, 1977
Richard A. Seike	July 13, 1977
Gerald B. Mahoney	July 13, 1977
John J. Bogue	July 13, 1977
John Arevalo	July 13, 1977
Harold Colen	July 13, 1977
Patrick F. Maloney	July 15, 1977
William E. Hennessey	July 15, 1977
Donald E. Horgan	July 15, 1977
William C. Dunn	July 15, 1977
Dale Hamilton	July 15, 1977
<u>Coordinator of Community Services</u> H-18	
Earl J. Gage Jr.	August 24, 1977
<u>Chief's Operator</u> H-10	
Robert L. Vergano	July 1, 1977
George A. DeMartini	December 1, 1977
Charles R. Rapp	February 6, 1978

	<u>Effective Date</u>
<u>Captain - Fire Prevention</u> H-32	
James J. Calden Jr.	September 15, 1977
<u>Lieutenant - Fire Prevention</u> H-22	
Richard R. Crispen	September 15, 1977
William C. O'Brien	September 15, 1977
<u>Investigator- Fire Investigation</u> H-6	
Frank L. Alianza Jr.	July 1, 1977
Frank P. Batmale	September 15, 1977
<u>Inspector - Fire Prevention</u> H-4	
Francis J. Cassidy	July 1, 1977
Wylie Low	July 1, 1977
Charles P. Farrell	July 1, 1977
William R. Siebert	July 6, 1977
William Carey (Reinstated as H2, 9/6/77)	August 17, 1977
Charles Radford	September 6, 1977
John Linney	September 8, 1977
Thomas J. Hall	September 30, 1977
Joseph Sebastinelli	September 30, 1977
Leonard Carlson	October 7, 1977
James F. Keane	December 12, 1977
Wayne Knutsen	April 3, 1978
<u>FireFighter</u> H-2	
George Deforde Drake	July 5, 1977
Carl T. English Jr.	July 5, 1977
Dennis M. O'Leary	July 5, 1977
Terry J. Hicks	July 5, 1977
Raymond J. Donnelly	July 5, 1977
John H. Reed	July 5, 1977
Arnold Diem	July 5, 1977
Leslie C. Steinhoff	July 5, 1977
John H. Cingolani	July 5, 1977
Gene J. Bottorff	July 5, 1977
Curtis J. Nielsen	July 5, 1977
William J. Clark	July 5, 1977
Kenneth A. Scalmanini	July 5, 1977
John M. McCoy	July 5, 1977
Donald Russo	July 5, 1977
Joseph J. Baciocco	July 5, 1977
Stephen L. Roche	July 5, 1977
Fred R. Meyer	July 5, 1977
Gerald R. Sullivan	July 5, 1977
Richard V. Stark	July 5, 1977

FireFighter H-2Effective Date

Anthony J. Serpa	July 5, 1977
Stephen R. Segurson	July 5, 1977
Ronald L. Parker	July 5, 1977
James M. Coyne	July 5, 1977
Gerald K. Scullion	August 15, 1977
Partick K. Pittson	August 15, 1977
Joseph R. Conway	August 15, 1977
Frank B. Iavarone	August 15, 1977
Roger D. Verant	August 15, 1977
Kevin T. Callaghan	August 15, 1977
Gilbert A. Erbert Jr.	August 15, 1977
Alfred C. Rizotto	August 15, 1977
Peter D. Knitikakos	August 15, 1977
Joseph J. Fitzpatrick	August 15, 1977
Douglas P. Roberts	August 15, 1977
Thomas R. Browne	August 15, 1977
Richard J. Williams	August 15, 1977
Stephen C. Smith	August 15, 1977
Richard E. Wagner	August 15, 1977
Jerry F. Heffernan	August 15, 1977
Steven P. Rascon	August 15, 1977
Richard W. May	August 15, 1977
John J. Kelly	August 15, 1977
Gerald J. McMahon	August 15, 1977
Joe C. Orenge Jr.	August 15, 1977
Richard A. Blake	August 15, 1977
Glenn S. Dellari	August 15, 1977
Charles C. Pistoia	August 15, 1977
Kevin M. Shea	September 26, 1977
Robert E. Van Dis	September 26, 1977
John J. O'Callaghan	September 26, 1977
Gary M. Gautier	September 26, 1977
Gordon J. Brown	September 26, 1977
Vince P. Passanisi	September 26, 1977
Kevin T. Bouey	September 26, 1977
Robert J. Guldbech	September 26, 1977
Stephan H. Gregory	September 26, 1977
Richard H. Toland	September 26, 1977
John J. Ferrando	September 26, 1977
Michael J. Creedon	September 26, 1977
Russell J. Albano	September 26, 1977
James E. McHugh	September 26, 1977
George A. Saribalis	September 26, 1977
James W. Podesta	September 26, 1977
Terrence M. Smith	September 26, 1977
William Hanavan	September 26, 1977
William E. Silvia	September 26, 1977
Gary S. Smith	September 26, 1977
Paul Fuhrman	September 26, 1977

<u>FireFighter</u>	<u>H-2</u>	<u>Effective Date</u>
John W. Duensing		September 26, 1977
George D. Salomon		September 26, 1977
Steven Wiessler		September 26, 1977
Donnell Trotter		November 7, 1977
Stephen F. Lynch		November 7, 1977
Brian J. Murphy		November 7, 1977
John P. Guiral		November 7, 1977
Thomas A. Manini		November 7, 1977
Robert T. Meilke		November 7, 1977
Frank P. Agius		November 7, 1977
James C. Duensing		November 7, 1977
Richard J. Matli		November 7, 1977
Thomas J. O'Malley		November 7, 1977
William S. Anderson		November 7, 1977
Robert P. Imbellino		November 7, 1977
Kevin T. Hickey		November 7, 1977
Dennis F. White		December 27, 1977
Gerald S. Henderson		December 27, 1977
Dennis Carlomagno		December 27, 1977
George A. Creedon		December 27, 1977
Daniel A. Sullivan		December 27, 1977
Andrew J. Chrystal Jr.		December 27, 1977
Joseph F. Mc Mackin		December 27, 1977
Robert N. Territo		December 27, 1977
Dan Pennisi		December 27, 1977
Thomas J. O'Malley		December 27, 1977

TOTAL APPOINTMENTS - UNIFORMED FORCE

Division Chief	(H-50)	-	2
Secretary to Chief of Department	(0155)	-	1
Battalion Chief	(H-40)	-	6
Captain	(H-30)	-	12
Coordinator - Community Services	(H-18)	-	1
Captain	(H-32)	-	1
Lieutenant	(H-22)	-	2
Investigator	(H- 6)	-	2
Inspector	(H- 4)	-	12
Chief's Operator	(H-10)	-	3
FireFighter	(H- 2)	-	95

NON-UNIFORMED FORCE - APPOINTMENTS

<u>5258 - Senior Mechanical Engineer</u>	
Eugene E. Andersen	October 12, 1977
<u>7230 - Water System Supervisor</u>	
James Shea	July 20, 1977

<u>7323 - Water System Asst. Supervisor</u>	
Alfred C. Araldi	August 17, 1977
<u>7205 - Chief Stationary Engineer</u>	
David A. Mele	July 25, 1977
<u>7334 - Stationary Engineer</u>	
Howard J. Tuscher	July 6, 1977
Clement Ferreira	July 6, 1977
John T. Driscoll	July 8, 1977
Pedreu C. Lewis	July 20, 1977
William E. Paton	August 17, 1977
<u>7388 - Utility Plumber</u>	
Francis Gojny	July 6, 1977
John W. Morehouse	September 20, 1977
Salvatore Mercurio	March 7, 1978
<u>1450 - Principal Clerk Stenographer</u>	
Cynthia Calero	July 18, 1977
<u>1446 - Senior Clerk Stenographer</u>	
Sue McAdams	October 3, 1977
Margaret Malley	March 29, 1978
<u>1426 - Senior Clerk Typist</u>	
Rey P. Ibay	July 1, 1977
Lorrayne Morsello	January 4, 1978
<u>1202 - Personnel Clerk</u>	
Raphael Chimerane	August 3, 1977
Rose T. Casserly	December 21, 1977

UNIFORMED FORCE - SEPARATIONS FROM SERVICE

Division Chief H-50

7/11/77	Donald Beck	D	5/11/78	Joseph F. Scannell	S
10/20/77	Charles W. Carli	S			

Battalion Chief H-40

10/28/77	Harold C. Derham	S	5/16/78	John Moreno	S
2/06/78	Martin T. Gallagher	S	5/24/78	Frank Rende	S
3/16/78	Charles W. MacCarthy	S	6/07/78	Edward T. Doyle	S
5/01/78	Frank J. Allen Jr.	D	6/08/78	Thomas M. Healy	S
			6/30/78	Patrick J. Murphy	D

Captain - Bur. Fire Prevention - H32

3/27/78	Thomas W. Engler	S	6/07/78	James J. Calden Jr.	S
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Captain H-30

7/06/77	Gerald Barry	S	12/21/77	Thomas E. Cordrey	S
7/06/77	Timothy O'Leary	S	4/13/78	Frank Navarra	S
7/09/77	Robert D. Moore	S	4/16/78	William M. Herndon	S
7/13/77	Elmo Fazio	D	5/02/78	Richard T. Folla	S
7/13/77	Edwin V. Nielsen	S	5/25/78	Walter V. Pudlow	S
8/24/77	Edward M. O'Donnell Jr.	D	6/01/78	Anthony K. Cahill	S
10/26/77	Edward H. Eichel	S	6/01/78	John P. Paulin	S
11/03/77	John P. Murphy	D	6/05/78	Peter Ruiz	S
11/18/77	Raymond McGrath	S	6/05/78	Charles Simmons	S
			6/30/78	Theodore Sutter	D

Lieutenant H-20

7/06/77	Milvoy M. Mikovich	S	9/15/77	Julio Figueroa	D
7/07/77	John B. Smith	D	9/19/77	Robert Little	D
7/08/77	Frank Cercos Jr.	D	4/01/78	Armando E. Consani	S
7/08/77	Harold Growney	S	5/06/78	Frank M. Connell	S
7/09/77	Melvin J. Graham	S	5/19/78	Richard A. Wilson	S
7/09/77	John V. McCarthy	D	5/20/78	Robert B. Tayler	S
7/09/77	William L. Wickliffe	S	5/21/78	Stanford R. Martin	S
7/20/77	Robert Foppiano	S	5/26/78	Joseph Elson	D*
7/20/77	James Williams	S	6/07/78	Jack Webb	D
8/05/77	Howard Klotz	D	6/09/78	Joseph V. Sheehan	S

Chief's Operator H-10

8/18/77	Don Lustenberger	D	6/05/78	Irgen A. Amundsen	S
6/01/78	Paul R. Vega	D	6/09/78	Raymond Backstedt	S
			6/12/78	Mervyn E. Coghlan	S

Investigator H-6

12/31/77	Ernest W. Capper	S
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Inspector - Bur. Fire Prevention - H-4

7/19/77	Leonard Colbert	D	6/06/78	Robert J. Jones	S
8/09/77	Richard Hutchinson	S	6/06/78	James F. Steil	S
12/28/77	William V. Scott	S	6/07/78	Frank D. Granzella	S
5/10/78	Jack Gustafson	S	6/07/78	James I. King	S
			6/07/78	David A. Sarber	S

Firefighter H-2

7/02/77	Ralph Galindau	S			
7/02/77	Jack Gambelin	S	7/09/77	Chester Mitchell	S
7/02/77	John F. Syme	D	7/12/77	James J. Barrett	S
7/06/77	Paul Navarret	S	7/16/77	Edmond C. Limberg	S

Firefighter H-2 (continued)

7/17/77	John B. Sullivan	D	1/12/78	Phillip P. Josue	R
7/19/77	Peter Rich	D	3/19/78	Theodore DalBroi	D
7/21/77	Ralph P. Borgeson	S	4/16/78	Edward Grantano	D
7/22/77	William Hutchinson	D	5/01/78	George J. Chelini	S
7/23/77	Richard Buoncristiani	S	5/03/78	Russell N. Lewin	R
7/23/77	Richard A. Wood	R	5/04/78	William Parry	D
7/30/77	John P. Flaherty	R	5/23/78	Norman L. Malman	S
8/03/77	Raymond F. Favero	S	5/24/78	William T. Mitchell	S
8/03/77	James T. O'Brien	S	5/27/78	Andrew J. Bronzovich	S
8/05/77	Irvin Melchert	D	6/01/78	George V. Hart	S
8/17/77	Francis P. Daly	S	6/01/78	John M. Stark	S
8/17/77	William McGrath	D	6/02/78	Daniel J. Dobelman	D
9/07/77	Terry Smerdel	D	6/02/78	Georg A. Homenko	S
9/10/77	Craig Avila	R	6/02/78	Leo L. Romero	S
9/17/77	Louis Rouspil	D	6/03/78	James T. Coll Jr.	S
9/17/77	Michael Salmon	R	6/05/78	Philip R. Krieg	S
10/01/77	Walter V. Figini	D	6/06/78	John B. Puccinelli	S
10/13/77	Robert C. Jonsen	D	6/06/78	Michael R. Warren	S
10/18/77	William Silvia	D**	6/06/78	Francis Waskey	S
11/21/77	Thomas J. O'Malley	R	6/08/78	Hubert A. Dougherty	S
11/30/77	John J. Kennedy	D*	6/09/78	Joseph C. Skow	S
12/09/77	Daniel J. White	R	6/10/78	Frank D. Buckley	S
12/28/77	Dennis Carlomagno	R	6/12/78	Ilario A. Jessup	S
			6/16/78	James J. Haughey	S

4/24/77 Bernard H. Becker D (Retirement Board Determination)

TOTAL UNIFORMED FORCE TERMINATIONS

Retirement (Service)	79
Retirement (Disability)	32
Deaths	2
Dismissed	1
Resigned	9

S - Service D - Disability D* - Deaths D** - Dismissed R - Resigned

Non-Uniformed Personnel Separations

1/17/78 Pedreu Lewis Terminated

C.E.T.A. APPOINTMENTS

1422 Junior Clerk Typist

Elaine Faamausili

July 13, 1977

1424 Clerk Typist

Eseta Lauulu

July 20, 1977

Muriel Wu

February 1, 1978

Bienvenido Gorospe

February 17, 1978

Maria Tapia

March 15, 1978

1220 Payroll Clerk

Francisca Gamara

July 25, 1977

Ruth Gigante

November 30, 1977

1650 Accountant

Thai Nguyen

August 17, 1977

9998 Staff Aide

Richard Hansen

November 9, 1977

8207 Building & Grounds Patrolman

Richard Hogg

November 9, 1977

1404 Clerk

Jeffrey Koh

November 25, 1977

2708 Custodian

Jose M. Macay

February 1, 1978

Epati Malauulu

February 1, 1978

OFFICE OF EMERGENCY SERVICES

Emergency Services Fire Coordinator

A Lieutenant of the San Francisco Fire Department works in cooperation with and under the guidance of the Director, Emergency Services to develop plans and procedures for coordinated inter-agency and inter-jurisdictional fire and rescue response in extraordinary emergencies; participates in Emergency Planning Committee meetings, seminars and workshops; confers with federal, state and other emergency oriented agencies; meets with other emergency services personnel of the City and County of San Francisco as necessary to establish and assist in the development and implementation of operations with appropriate emergency services elements.

The duties of the Fire Coordinator also consists of the following:

1. Provides assistance to building owners and managers and the public in the development of plans for such extraordinary disasters as nuclear attack, major fires and earthquakes.
2. Provides assistance in the development of emergency plans for major public buildings tailored to the life safety and survival of the occupants in extraordinary emergency situations such as fire, bomb threat, earthquake and nuclear attack.
3. Assists in maintaining accountability and inspections of the survival supply stockpile for San Francisco which includes keeping files and records of emergency stocks and their locations including radiological instrumentation.

Fire Reserve

The Fire Reserve is a unit of the San Francisco Emergency Services organized to augment the San Francisco Fire Department in times of a natural disaster or hostile military action. It is supervised by a Fire Department Lieutenant.

The members of the Fire Reserve are a group of dedicated citizens whose services are volunteered to the City and County of San Francisco without remuneration.

They are a group of specially trained citizens. Training exercises are held weekly throughout the year. The Reserve also receives on-the-job training by observing and assisting the Fire Department at multiple alarm fires.

In the event of hostile military action, or of a natural disaster of a long duration, the Fire Reserve will be greatly expanded to assist in the safeguarding of the lives and property of our citizens.

Fire Reserve

The present membership of the Fire Reserve will be the nucleus of any required expansion.

Membership of the Fire Reserve, June 30, 1978 - - - - - 60

<u>ACTIVITIES:</u>		<u>GREATER ALARMS RESPONDED TO:</u>	
Training Exercises	- 45	Total	- 20
Total Attendance	- 860	Total Attendance	- 111
Man Hours - Training	- 2,150	Man Hours - Worked	- 241

PHOTO UNIT

1977-78

Photography in our modern day fire department is being utilized more than at any other time in history. Fire and arson investigation, fire prevention, fire college training, public relations and administration activities rely upon the efficient photo unit services.

Our city provides an extraordinary opportunity for obtaining valuable fire ground photography of situations encountered by a large metropolitan fire department. As a result, firefighting strategy and training activities have vastly improved in recent years. The photo unit traveled 6,551 miles in this fiscal year.

A summary of the photo unit activity during the fiscal year is recorded as follows:

Responses

Still Alarms	- 36	Second Alarms	- 40
First Alarms	- 78	Third Alarms	- 19

Bombing incidents - 1; Rescue operations - 40; Arson cases - 16; Fire Department accidents - 17; Fire Prevention - 18; Public relations - 72; Fire College - 14; Bureau of Equipment - 7; Assist citizen - 3; Planning and Research - 2.

San Francisco Fire Department
Pioneer Memorial Museum

The San Francisco Fire Department Pioneer Memorial Museum is located adjacent to Station 10 at 655 Presidio Avenue and is open to the public, daily, between the hours of 1300 and 1700 with guided tours by volunteer city guides Thursday through Sundays at 1400 and 1500 hours.

This past year 6,422 people visited the museum. Included in this number were school groups gaining educational knowledge; fire and history buffs seeking further information concerning our department and citizens of the city, state, nation and of foreign countries.

The museum's sponsor, the St. Francis Hook and Ladder Society, added several new programs during the year. The City Guides Tour volunteers staff the museum four days a week thus releasing Station 10 fire fighters for quicker emergency responses. Valuable papers and photographs have been placed in acid-free holders. Advertising in travel books, local newspapers and historical organization publications has increased museum attendance to record levels.

The collection continued to grow through donations of monetary gifts, artifacts, memorabilia and apparatus.

COMMITTEE REPORTS

Fire Department Advisory Board

The San Francisco Fire Department Advisory Board, now in its twenty-second year of existence, continues to convey valuable suggestions from members in the field to the Chief of Department. The department has utilized the Board to assist the Administration in documenting and thoroughly researching each item received.

During the past fiscal year, this Board has reviewed and accepted 30 suggestions. Of these: 5 have been implemented; 17 have been forwarded; 1 is pending funds and the remainder are still being researched.

Occupational Safety and Health Act Committee

On April 27, 1978, CAL/OSHA adopted regulations designed to protect fire fighters from some of the hazards of their job. Minimum standards were set for head, eye, hand and respiratory protection.

Occupational Safety and Health Act Committee (cont.)

Our purchase program, often based upon field experience and research, reflects these new regulations. Our protective gear meets or exceeds the minimum CAL/OSHA standard.

As of January 12, 1978, the OSHA Committee became part of the Safety Committee, resulting in better coordination toward the common goal of safer working conditions.

Safety Committee

During the 1977-78 fiscal year, there were 874 Lost Work Day (LWD) injuries and there were 17,760 Lost Work Days for the 874 reported injuries with 73 of the injuries reported as recurrent injuries.

A breakdown according to company classification indicates the following Lost Work Day Injuries and Lost Work Days:

	Two Year Comparison			
	<u>1976-77 & 1977-78</u>			
	Injuries		Lost Work Days	
	<u>1976-77 & 1977-78</u>		<u>1976-77 & 1977-78</u>	
Engine Companies	419	439	6,275	7,723
Truck Companies	273	264	3,389	5,009
Rescue Companies	22	21	312	471
Airport Companies	40	38	524	1,007
All others	88	112	1,245	3,550
	<u>842</u>	<u>874</u>	<u>11,745</u>	<u>17,760</u>

Radio Committee

The primary goal of the San Francisco Fire Department Radio Committee was achieved in June of 1978 with the publication of the Technical Specifications for a Fire Information Radio System for the San Francisco Fire Department. The Technical Specifications have been delivered to the City Purchaser to be advertised for bid and award of contract.

The new radio system will feature a new Base Radio Station, new Satellite Receiver System, new Vehicular Radio System, new Handie-Talkie system, new Fire Station Radio System and a new Headquarters Radio Monitoring System. The new system will operate on 488 MHZ.

The first of the new "10" Code designations was put in service on July 18, 1977. Additional codes were added in January, 1978 and at the present time ten (10) such codes are being used.

Radio Committee (cont.)

A new Radio Operations Manual is being drafted to coincide with the development of the new system.

High-Rise Committee

During the fiscal year, 1977-78, the San Francisco Fire Department conducted 87 High-Rise Inspections, 259 Target Hazard Inspections with related conferences. When necessary to develop fire plans or to review fire plans these buildings were re-inspected.

A Manual of High-Rise Procedure was completed and issued this past fiscal year. This manual establishes general guidelines for high-rise building emergency operations. The manual is an informative and effective addition to the high-rise program which has been successfully in existence for seven years.

B.A.R.T.D. Committee

The Bay Area Rapid Transit District Committee continued to meet with transit officials and the numerous fire departments along the right-of-way.

During the year, various drills were held at all stations located in San Francisco. Several trips were made to the Hayward yard where B.A.R.T.D. engineers and maintenance people explained to fire department personnel the construction features and physical components of the cars.

One drill was held in the trans-bay tube. This was a joint drill with the Oakland Fire Department and B.A.R.T.D. personnel participating. This drill proved beneficial in bringing to light the difficulties and problems likely to be encountered in an incident occurring under the bay.

During the latter part of the fiscal year a dedicated fire communications line was installed in the trans-bay tube reserved for fire department use only. This should prove to be an excellent aid in communications.

Pollution Control Committee

An up-dated "Oil and Hazardous Materials Pollution Contingency Plan" has been completed by this committee and has been approved by the Chief of Department. The adoption of a new California State Oil Spill Contingency Plan has created the need for some revisions of the San Francisco Plan. These revisions have been accepted and approved by the State.

Two acid-resistant suits have been purchased and added to the inventory of the Pollution Control Unit. A firmer line of communication has also been established with the U.S. Coast Guard and with the California Highway Patrol.

Task Force Center Committee

During the fiscal year, 1977-1978, there were 35 Task Force Centers available throughout the City for use by the San Francisco Fire Department should a disaster or severe civil disturbance occur.

The use of task force type response from these centers provides for better command and control of fire fighting operations in a civil disturbance area or if normal fire department operations are disrupted by a city-wide disaster such as an earthquake.

Task Force Centers are being constantly reviewed and up-dated as changing conditions occur that may impede the over-all objective of the San Francisco Fire Department to protect life from fire and to keep property loss due to fire at a minimum.

Apparatus Inventory Committee

A new apparatus inventory form has been developed to standardize apparatus inventories, improve the quality of the Inventory Control System and to attain accountability, accuracy and responsibility on the part of company officers. They have been issued to all captains and temporary captains who are in charge of an engine or truck company.

In the future, all Department Rolling Stock will be assigned an inventory form prepared specifically for that unit. It is intended that company officers will have ready access to a computer read-out of all tools and equipment assigned to the department units which are under their charge.

Rulebook Revision Committee

Revision of the Rules and Regulations and Procedure Guide of the department is nearing completion with submission for approval expected in October. The revisions will reflect changes brought about by innovations in equipment and techniques as well as those newly required by State Law and Municipal Codes and Ordinances.

The Committee has attempted to retain the necessary substance and solidity required of a Rulebook, while insuring enough flexibility for a workable document. After approval by the Fire Commission and the Chief of Department, a more useful Rulebook can be expected.

Firemen's Olympic Committee

This marked the seventh year of the Firemen's Olympics. The Winter Olympics were held in Mammoth Mountain and the Summer Olympics held in San Mateo, California. The Winter Olympics were hosted by the Mammoth Mountain Fire Department and the Summer Olympics by the San Mateo County Fire Fighters.

Firemen's Olympic Committee (cont.)

The Winter Olympics, after two bad years of little or no snow, was a complete success this year with an abundance of snow and in excess of 700 participants. Competition was keen and medal winners worked hard to win their events.

The Summer Olympics had approximately 1,750 participants, which shows the determination and responsiveness of California fire fighters, who at this time were faced with the unknown effects of Proposition 13. Competition once again proved even keener than previous years and a number of records were broken. Sailing, a new event, was added to the already growing list of sports. Over 75 departments in the State of California participated. San Francisco fire fighters once again were in the top in number of medals won. San Francisco fire fighters helped with the olympics by either acting as a chairman or a co-chairman in many events.

The object of the California Fireman's Athletic Association is to unite the fire departments and their members in the State of California, to promote physical fitness and good health for the members of the fire service and to promote better public awareness of the fire service. We feel this objective is being realized.

Physical fitness being of the utmost importance to a fire fighter, the Board of Directors feel that the olympics help to promote physical fitness awareness and good health to those participating in the olympics. In a small way, the olympics will promote the physical fitness programs in the fire service and ultimately provide the individual fire fighter with a longer and healthier life.

St. Francis Hook and Ladder Society Committee

Department members, who are also members of the St. Francis Hook and Ladder Society, again this year in their off-duty hours joined together with common goal of preserving some of San Francisco's fire history. These members donated, for the benefit of the department, over 3,250 hours of time.

The main goal of the Society is the sponsorship of the Pioneer Memorial Museum. The restoration committee completed returning the 1937 American La France Foam Unit to its classic beauty. The Society's proposal, approved by the Board of Fire Commissioners, brought together several department organizations for the purpose of having restored one of the first three fire engines in San Francisco. This hand-drawn, hand-pumping engine is one of the oldest in the United States.

Membership in the Society is open to all in the community who believe in the goal of acquiring, restoring, preserving and maintaining artifacts, memorabilia and antique apparatus relating to San Francisco. The Society is a federal tax-exempt, non-profit California corporation.

DIVISION OF PUBLIC EDUCATION AND INTERNAL AFFAIRS

The Division of Public Education and Internal Affairs is responsible for a wide variety of functions, which include public education in fire safety and CPR procedures, department labor relations, career education programs for fire fighters, internal affairs and community relations and services.

Public Education

The Home Fire Safety Survey Program was coordinated in this Division. Fire fighting units surveyed and interviewed 11,570 residents last fiscal year in one-and-two family dwellings units in Battalion Districts 4,5,8,9 and 10 of approximately 23,100 units attempted to contact.

The CPR Program (Cardio-Pulmonary Resuscitation) conducted by the Technical Supervisor of Breathing Apparatus, in cooperation with the Red Cross and sixteen (16) Fire Fighter Instructors, successfully trained 4,907 citizens in these procedures. In addition, group instruction was provided to 9,843 citizens not affiliated with the Red Cross instruction classes.

An experimental pilot program in School Fire Safety Education, in cooperation with the National Fire Protection Association, was conducted in four (4) San Francisco Public Schools over a five-week period. San Francisco was selected to inaugurate this program before piloting it in any other city. The program was highly successful and the NFPA will finalize the curriculum for national use in grades K through 9.

Project SAFE, a Police Department oriented program, sought and obtained assistance in providing department speakers for neighborhood fire safety education. Division and Battalion Chiefs provided block-party groups with pertinent fire safety information with a more intensified program promised in the coming fiscal year.

Career Education for Fire Fighters

With the passage of Proposition "M" on the November, 1977 ballot, a new career education program was mandated. Department members can enhance their promotional opportunities through accredited college courses in conjunction with seniority credits. The Educational Committee being formed will supervise the program and make recommendations to the Chief of Department in the establishment of the curriculum for each promotional rank.

Internal Affairs

Investigations of citizen complaints are conducted under the direction of the Chief and Deputy Chief of Department when requested.

Labor relations with Fire Fighter's Local #798, I.A.F.F., are coordinated in the Division; attendance by the Division Chief at Meet-and-Confer sessions is also required in conjunction with other department officials.

Coordination with Bay Area counties for Mutual Aid purposes is an on-going function of this Division. Plans are continually revised to meet changing conditions.

Other Internal Affair functions include: Meritorious Advisory Board coordination; F.L.A.M.E. and Christmas Toy program liason with the Chief of Department; Civil Service activities relating to promotional examinations; job analysis and recommended study materials for promotions.

Vehicle Accident Committee hearings are conducted twice monthly on all accidents involving department vehicles. Since the committee was constituted almost two (2) years ago our accidents have been reduced thirty (30) per cent. The objective this year is to achieve at least an additional ten (10) per cent reduction in vehicular accidents.

The False Alarm program was instituted in March, 1978 by the Division. Chronic problems at certain street boxes are investigated. Solution and recommendations are then forwarded to the Chief of Department. Through the cooperation of the Department of Electricity problems at these boxes are being effectively reduced. The computer read-outs are continually analyzed and actions are taken to correct problems as they occur.

The Management Information System is under development by the Division of Planning and Research. Information obtained from the system relating to Home Safety Surveys and false alarms are reviewed and analyzed for effectiveness.

Community Services

The Coordinator of Community Services' primary objectives are to develop a better understanding and awareness between the community and our department. This results in the establishment of trust, faith and goodwill between citizens and department units.

Community Services

These objectives are achieved through meetings with community groups and governmental agencies when requested. School visitations are conducted by the Coordinator, members of the fire fighting units and the Bureau of Fire Prevention.

False alarm problems throughout the city are abated in conjunction with the Division. Career Opportunity Programs in Junior and Senior High Schools are conducted. Physical agility training classes for the H-2 entry level applicants were organized with the assistance of the Community College District and the Civil Service College.

Other major activities administered by the Coordinator are:

- (1) CETA employee requests and assignments
- (2) Fire Fighting apparatus demonstrations in neighborhoods
- (3) American Red Cross assistnace for fire victims
- (4) Statistical data relating to ethnic/racial composition of department members
- (5) Summer Youth Program sponsored by the Mayor's office

Firefighters' Toy Program

The Annual Firefighters' Toy Program started as usual on December 1, 1977 with the collection and distribution of new and used toys donated by the people of San Francisco.

On December 7, 1977, the Toy Program suffered a severe set-back when the main distribution center at Old Engine 30, 1300 - 4th Street, was vandalized and between \$10,000 and \$15,000 worth of new toys were stolen or broken.

A call for help went out from Chief Casper, the Firefighters Union and the members of the Toy Program. The cry for help was picked up by the media and the plight of the Toy Program was national news. The response was overwhelming and donations were received from the business community and from individuals throughout San Francisco and the Bay Area.

With the contributions received and through the efforts of the Chief of Department, members of the Fire Commission, and the many off-duty firefighters and other volunteers working on the toy program who repaired, sorted and distributed the toys, 1977 was the most successful year in the Toy Program's history. Over 1,600 families were served, with almost 10,000 children receiving Christmas toys. Approximately 69,000 toys were distributed.

Firefighters' Toy Program (cont.)

The Toy Program received a plaque of recognition for a job well done from the San Francisco Fire Commission, and also received an award from Parents Without Partners, a national organization. This highly prized award has been given only three times; once to Jerry Lewis, once to Danny Thomas, and now to the San Francisco Firefighters' Toy Program.

Fire League Athletic and Musical Events (F.L.A.M.E.)

The F.L.A.M.E. program experienced another year of growth and success in fiscal year 1977-1978.

Our athletic programs now service over seven thousand boys and girls, ages nine through twenty, in basketball, baseball and soccer.

Additionally, through the cooperation of off-duty San Francisco Fire Department members, we have continued our outings and activities with the Sunshine School for the orthopedically handicapped children of our city.

National Red Cross Golden Gate Chapter Disaster Service

During the 1977-78 fiscal year, the Red Cross Golden Gate Chapter Disaster Service responded to and provided disaster relief service at the following fire department incidents:

1st Alarms	-	89	4th Alarms	-	0
2nd Alarms	-	65	5th Alarms	-	<u>1</u>
3rd Alarms	-	25	TOTAL	-	180

A total of \$57,481 was spent in servicing 371 families and individuals who were recipients of Red Cross disaster services for an average of \$155 per family or \$15.17 per individual.

National Red Cross
Golden Gate Chapter Disaster Service (cont.)

Disaster relief services for fire victims included mass care, food, clothing, rent, transportation, building and repair, household furnishing, medical care, and occupational supplies for families and individuals who suffered losses.

DIVISION
OF
FIRE FIGHTING



DIVISIONS OF FIREFIGHTING

- Uniformed personnel assigned to the four firefighting divisions - comprised of ten battalion districts and 47 fire stations - are responsible for extinguishing fires, saving life and property, rescues, cardio-pulmonary resuscitation, first aid, etc.
- Perform daily building inspection, and high-rise inspection.
- Maintain apparatus, equipment and fire stations, and perform daily drills.

	DIVISION 1	DIVISION 2	DIVISION 3	DIVISION 4 (Airport)
Personnel	418.3	625.3	439.4	60
Battalion Dist.	3	4	3	—
Fire Stations	12 (Includes Fireboat)	17	15	3
H50 Assistant Chief	3.3	3.3	4.4	1
H40 Battalion Chief	12	18	12	—
H30 Captain	21	33	23	3
H20 Lieutenant	55	87	59	6
H10 Chief's Operator	17	21	17	1
H2 Firefighter	303	463	324	49
H110 Marine Engineer	4	—	—	—
H120 Pilot of Fireboat	3	—	—	—
TOTAL PERSONNEL 1543				

Program Outputs:

A. Major Alarms	92
B. Total Fires	7,582
C. Resuscitations	1,563
D. Emergencies Other than Fires ...	15,627
E. Total Alarms	33,078

Related Costs 1977-78 \$ 56,538,593

FIRE FIGHTING AND RESCUE SERVICES

Headquarters Chief Officers

DIVISION NO. 1

Division No. 1

	Station No. 13	530 Sansome Street
Battalion No. 1	Station No. 2	1340 Powell Street
Battalion No. 2	Station No. 36	109 Oak Street
Battalion No. 3	Station No. 8	36 Bluxome Street

DIVISION NO. 2

Division No. 2

	Station No. 5	1301 Turk Street
Battalion No. 4	Station No. 38	2150 Calif. Street
Battalion No. 5	Station No. 21	1443 Grove Street
Battalion No. 7	Station No. 31	441 - 12th Avenue
Battalion No. 8	Station No. 40	2155 - 18th Avenue

DIVISION NO. 3

Division No. 3

	Station No. 7	2300 Folsom Street
Battalion No. 6	Station No. 11	3880 - 26th Street
Battalion No. 9	Station No. 15	1000 Ocean Avenue
Battalion No. 10	Station No. 9	2245 Jerrold Avenue

Division of Airports

San Francisco International Airport
Airport Rescue Co. No.1, No.2 and No.3

Department Buildings

The various units of the Department are stationed in the following buildings:

- 1 - Department Headquarters
- 44 - Company Stations
- 2 - Airport Company Stations
- 1 - Division of Training
- 1 - Communications Center
- 1 - Personnel Center (located at Department Headquarters)
- 1 - Bureau of Equipment Headquarters
- 2 - Pumping Stations (High Pressure System)
- 1 - Reservoir Station (High Pressure System)
- 2 - Warehouses (Storage)
- 1 - De-activated Company Station
- 1 - Pipe Yard Station (High Pressure System)

FIRE FIGHTING AND RESCUE SERVICES

The following pages present a summary of incidents for the fiscal year. The format is a departure from past annual reports as published by this department and will be the basis on which incident activity will be presented in the future.

The summary is the result of output reports generated by our Command and Control Computer System. Some categories are presented in broad detail for the sake of clarity and to give an indication of what general areas may be of concern. We have the capability within our computer system to extract information in much greater detail should the need arise to do an in depth analysis of a particular aspect of the fire or incident activity problem.

We believe this to be a more meaningful presentation of incident activity.

Recapitulation of Fire Department Response:

	<u>1976-1977</u>	<u>1977-1978</u>
Total Fires	7,540	7,582
False Alarms	9,034	9,869
Emergency Other than Fire	12,946	15,627
(Resuscitations)	(856)	(1,563)
Total Alarms	30,596	33,078
Major Alarms	109	92

Summary of Incidents by Type

Fires

Unknown Type Fire	14
Building Fire	2,965
Trees, Brush, Grass	1,220
Vehicle Fire	1,233
Refuse Fire	1,878
Outside Structure	115
Explosion	10
Outside Spill/Leak Mobile Home Fire	8
Other Fire	139
TOTAL	<u>7,582</u>

False Alarms

Malicious/Mischief	9,436
Bomb Scare, No Bomb	18
System Malfunction	173
Unintentional	242
TOTAL	<u>9,869</u>

Emergency Other than Fire

Rescue Calls

Resuscitation-Pos	1,247
Resuscitation-Neg	316
First Aid	2,641
Rescue/Extrication	184
Potential Jumper	40
Elevator/Escalator	229
Trapped in Auto	197
Cliff/Landside	25
Aircraft Incident	27
Drowning	10
TOTAL	<u>4,916</u>

Overpressure

Steam Rupture	42
Air/Gas Rupture	35
Water Heater/Boiler	115
TOTAL	<u>192</u>

Hazard Conditions

Washdown Blood	42
Washdown Gas/Oil etc.	1,747
Explosive Removed	12
Excessive Heat	159
Power Lines Down	165
Arc/Short Electric	465
Refrigeration Leak	79
Smell of Natural Gas	274
Building Collapse	7
TOTAL	<u>2,950</u>

Good Intent Calls

Smoke Scare/Smell	947
Wrong Location	29
Control Burn	17
Alarm Bell Ringing	394
Recall/No Service	268
TOTAL	<u>1,655</u>

Service Calls

Cover a Window	245
Lock out/Lock in	853
Water Removal	923

Service Calls (continued)

Smoke/Odor Removal	80
Animal Rescue	41
Assist Police	185
Broken Hydrant	229
Boat Sinking	16
Loose Structure	95
Broken Sprinkler	78
TOTAL	<u>2,745</u>

<u>Other</u>	3,169
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Fires - Source of Heat of Ignition

Heating Systems	233
Cooking Equipment	708
Air Conditioning Equipment	21
Electrical Distribution Equipment	396
Electrical Appliances	146
Special Equipment	300
Processing Equipment	28
Service Equipment	36
Smoking Material	3,893
Other Objects	1,669
Undetermined	152
TOTAL	<u>7,582</u>

Fires - Type of Material Ignited

Gas	58
Flammable Liquid	623
Volatile Solid	322
Chemical - Metal - Plastic - Paint	133
Natural Product	1,888
Wood - Paper	2,845
Fabric - Textile - Fur	1,068
Material with Oil	71
Other	158
Undetermined	416
TOTAL	<u>7,582</u>

Fires - Number of - by Property Class

Unknown Code	
Unknown Code	71

Fires - Number of - by Property Class (cont.)

Public Assembly	
Amusement-Fixed	31
Amusement-Variable	6
Churches	5
Clubs	8
Libraries, Courts	2
Eating, Drinking	95
Terminals, Station	5
Theaters	8
Educational	
School, Nonresident	51
Business Schools	10
Universities	5
Institutional	
Care of the Aged	5
Care of the Young	1
Sick or Injured	46
Physical Restrain	4
Residential	
One & Two Family	716
Apartments	1,563
Rooming House	6
Hotel	231
Motel	5
Dormitory	7
Other	1
Store & Office	
Food, Beverage	30
Textile, Clothing	15
Household, Repair	10
Specialty	17
Recreation	5
Professional	24
Motor Vehicle	19
General Item	9
Offices	96
Basic Industry	
Communications	5
Utilities	58
Agriculture	7
Forestry	3
Mineral Products	2

Fires - Number of - by Property Class (cont.)

Manufacturing	
Food	13
Beverage, Tobacco	2
Textiles	1
Wearing Apparel	4
Wood, Paper	26
Chemical	7
Metal	15
Vehicle	5
Other	8
Unclassified	3
Storage	
Textile	1
Food, Tobacco	2
Petroleum, Alcohol	1
Wood, Paper	4
Chemical, Plastic	1
Metal	6
Vehicle	13
General	37
Special Properties	
Construction	44
Special Structures	13
Outdoor	1,234
Road	1,729
Equipment Areas	1
Mobile Property	
Road - Passenger	1,112
Road - Freight	88
Rail Transport	5
Water Transport	4
Air Transport	2
Heavy Equipment	14
Special Vehicles	2
Property	
Unclassified	3
TOTAL	
	7,582

Source of Alarms

Telephone Alarms		
Total		22,575
Actual Incident		21,006
Telephone/False Alarm		1,569
Telephone - Per Cent Actual		93.05%
Telephone - Per Cent False		6.95%
Street Box Alarms		
Total		10,002
Actual Incident		2,238
Street Box/False Alarm		7,764
Street Box - Per Cent Actual		22.38%
Street Box - Per Cent False		77.62%

Balance of Total Alarms (1.51%) are reported by radio, direct from station, no-alarm, etc..

SUMMARY OF FIRE FATALITY STATISTICS FISCAL YEAR 1977 - 1978

OCCUPANCIES WHERE DEATHS OCCURRED

Apartments	9
Dwellings (1 & 2 Family)	9
Hospitals	0
Hotels	6
Others	7
Total	31

FATALITIES BY AGE GROUP

	<u>No.</u>	<u>PerCent</u>
Under fifteen years of age	1	3.22
Fifteen thru sixty-four years of age	20	64.53
Sixty-five years of age and over	10	32.25
Total (Males: 24, Females: 7)	31	100.00

FIRE FATALITY-FIRE CAUSES

Smoking Materials	18
Heating/Cooking	4
INCENDIARY	4
Electrical	2
Flammable Vapors Igniting ...	2
Other	1

Salvage Operations

Salvage operations are a primary function in the San Francisco Fire Department. Quick and efficient application of salvage equipment has been responsible for greatly reducing the fire and property loss during the last year.

- a) Salvage operations are started as soon as the department arrives at the scene of a working fire and are continually applied even after the fire is extinguished.
- b) Salvage operations are essential in the reduction of damage and property loss from other than fire such as wind, storm and rain damage, broken water pipes and other water leaks.

Every truck company now carries seven salvage and three roof covers. Engine companies carry two salvage covers each.

The following salvage operations were performed during the fiscal year:

Salvage covers spread	152
Roof covers spread	188
Sprinkler heads replaced	278
Roofing paper (Rolls)	92
Polyethylene (Rolls)	64
Rental fees for covers	\$2,562.50

Covers spread during firefighting operations for immediate protection of property and removed within a 24-hour period:

Salvage covers	298
Roof covers	266

Water Rescue and Firefighting Scuba Unit

This year members of the unit responded to many more water related incidents, including beach rescues, rescues from the waters near Lands End and rescues from many of the piers along the water front.

The most publized operation of the year was an auto driven off the end of Pier 22 in full view of many citizens including the Fire Boat. The unit spent 8 hours in underwater search for the auto and its occupant.

The new drill schedule utilizing members on their off-duty time has been a success. This is reflected in an increase of training man hours. One drill included the coordination of rescue efforts by this unit and members of the Airport rescue unit.

Emergency Runs	-	63	Service-Hours	-	71
Drills	-	12	Training-Man Hours	-	397

MERITORIOUS COMMENDATIONS

On May 10, 1978, the Fire Commission accepted the recommendations of the Fire Department Merit Advisory Board concerning Meritorious Awards to the following department members:

Class "A" Awards

Firefighter Jose Capitan

Class "B" Awards

Operator Robert Blanchard
Firefighter William Dickerson

Firefighter Stephen Parrott
Firefighter John Payne
Firefighter Anthony Simi

Class "C" Awards

Battalion Chief Harry Brophy
Lieutenant Charles Krieger
Operator Robert Blanchard
Operator David J. Lavelle
Firefighter James Cavellini

Firefighter David Dyc
Firefighter Roland Lee
Firefighter Thomas Lovely
Firefighter Jack Pacheco
Firefighter Dan White

Class "D" Awards

Lieutenant Michael Moran
Operator Hector Garcia
Firefighter Frank Kelly

Firefighter Guy Markell
Firefighter Douglas Robbins
Firefighter John Traversaro

There were seven (7) Unit Citations awarded, two (2) Letters of Commendation, eight (8) Certificates of Merit, and seventeen (17) Certificates of Meritorious Conduct.

Summary of Disability Injuries

The following is a list of all injuries sustained by members of the department during the fiscal year 1977-1978, which includes No Lost Work Day injuries as well as Lost Work Day injuries, and indicates the nature of injury, part of body affected, activity involved and injuries associated with false alarms:

Nature of Injury

1. Burns except eyes, including chemical burns	32
2. Burns, eyes	8
3. Lacerations & Punctures	101
4. Strains - Sprains - Dislocations	476
5. Hernias	4
6. Crushing injuries	21
7. Fractures or suspected fractures	24
8. Foreign body in eye, eye irritation, conjunctivitis, etc.	49
9. Bruises & Contusions	176
10. Upper respiratory disease (including smoke inhalation) ..	49
11. Dermatitis (skin disorder)	16
12. Cardio-vascular	25
13. Not elsewhere classified	39

Part of Body Affected

1. Eyes	62
2. Head - Face - Neck	99
3. Heart & Possible	27
4. Back - Spine	205
5. Trunk - Other than Back	94
6. Upper extremities	277
7. Lower extremities	288
8. Not elsewhere classified	43

Activity Involved

1. At Fires	505
2. Other Emergencies	127
3. Responding on Apparatus	30
4. Returning on Apparatus	10
5. Accidents in Stations or Department Property	188
6. Training	43
7. Inspections	12
8. Routine duties (Auxiliary Services)	21
9. Not elsewhere classified	40

Injuries Associated with False Alarms	3
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Disability injuries in the above listed category, "Responding on Apparatus" and "Returning on Apparatus", are primarily from stepping on the apparatus or stepping off the apparatus during preparation to leave quarters and upon the return after responding to an alarm.

DIVISION OF AIRPORTS

Organization

The Airport Division is composed of a Division Headquarters and three subordinate companies. The Division office and Airport Companies 1 and 3 are located in Rescue Station No. 1. Airport Company 2 is located in Rescue Station No. 2. The Fire Inspector's office is located in the Airport Planning and Engineering building.

The Division Chief, Training Officer and Fire Inspector work a five day week, 0800 to 1700 hours and are subject to recall in their off-duty status. All other personnel work the standard tour of duty for the San Francisco Fire Department.

Training

Airport Division training is conducted daily. Supervision is under the Division Chief and is conducted by the Division Training Officer and Company Officers. Guidelines for training are FAA Advisory Circulars, the National Fire Science Training Center and applicable San Francisco Fire Department Training Manuals. The Airport Division operates drills from a separate schedule of drills pertinent only to the airport. Red Cap Exercises are conducted at least twice each month. These are disaster drills conducted without notice and involve all departments on the airport plus participation by San Mateo County Mutual Aid Companies and the occasional participation by the San Francisco Fire Department.

Emergency Alarms

Classification of alarms is: Alert #1, a potential aircraft accident or emergency, but aircraft is not expected to land at airport for at least five (5) minutes; Alert #2 is an accident in progress or imminent and others are self-explanatory.

Alert #1	-	165	First Aid	-	1,418 *
Alert #2	-	37	Fuel Spills	-	110
Fire Alarms	-	793	Code 10	-	32
			TOTAL	-	<u>2,555</u>

* First Aid Breakdown

Cardiac	-	660	Epileptic	-	73
Trauma	-	286	Diabetic	-	64
Pregnancies	-	43	Food Poison	-	106
Burns	-	24	Miscellaneous	-	162
			TOTAL	-	<u>1,418</u>

Fire Prevention and Investigation

New Construction Plans Reviewed	146
Alteration Plans Reviewed	396
Buildings Inspected/Re-inspected	520
Fuel Tank Truck Inspections	54
Underground Fuel Tank Inspection	10
Fuel Spills Investigated	89
Meetings, Airport and Fire Marshal	286
Emergency Night Calls and Investigations	63
Off-Duty Night Public Assembly Work	92 hours

Responsibilities

The Airport Division is responsible for:

1. Aircraft Crash-Fire-Rescue (CFR) protection to the standards specified in Department of Transportation Regulation Part 139, and to applicable Advisory Circulars (AC) as directed by the Federal Aviation Administration (FAA).
2. Structural fire protection to applicable local, state and national codes.
3. Emergency first-aid and resuscitation.
4. Water rescue in waters adjacent to San Francisco Airport.
5. Fire prevention and investigation.
6. Training in aircraft CFR, structural fire, first-aid and resuscitation to standards established by the San Francisco Fire Department, State and Federal agencies.
7. Administrative management to include: budget preparation, development of equipment specifications, acceptance testing and evaluation of equipment, contracts, permits, planning, maintenance of records, equipment maintenance scheduling and control, maintenance of records and personnel management.

Certification

The Airport Division has been certified by the Department of Transportation (DOT) as meeting the requirements of FAR, Part 139 for a Class 'E' airport. This was confirmed by the annual inspection conducted by the Western Regional Office of the FAA in February of 1978.

Equipment

New CFR truck is being ordered and expected delivery is May of 1979.

DIVISION
OF
FIRE PREVENTION & INVESTIGATION



**DIVISION OF FIRE PREVENTION
AND INVESTIGATION**

- Inspect occupancies to insure compliance with State & City laws concerning fire prevention and fire control
- Administer Commercial, Residential Inspection Safety Program (CRISP) and hazardous materials procedures
- Investigate origin of fire of suspicious nature
- Administer Arson Task Force

1 - H50 Assistant Chief

P

**BUREAU OF FIRE PREVENTION AND
PUBLIC SAFETY**

Four major components are District Inspections, Administration, Public Safety and Education and Bureau of Building Inspection. Performs High-rise, CRISP and Title 19 Inspections.

2 - H32 Captain, BFP&PS	P
4 - H22 Lieutenant, BFP&PS (Includes Port Fire Marshal)	P
37 - H4 Inspector, BFP&PS (Includes Airport Insp.)	P
1 - 1446 Sr.Clerk Steno.	P
1 - 1426 Sr.Clerk Typist	P
1 - 1424 Clerk Typist	CETA

BUREAU OF FIRE INVESTIGATION

Investigates origin of fire of suspicious nature and administers Arson Task Force.

1 - H24 Lieutenant, BFI	P
8 - H6 Investigator	P
1 - 1424 Clerk Typist	P
1 - 9998 Staff Aide	CETA
1 - 1424 Clerk Typist	CETA

Program Outputs:

1977-78

A. Total Number of Building Inspections	25,294
B. Code Violations/Corrections	23,751
C. Fire Investigation and Arrests & Dispositions ...	3,317
D. Plan Checks, Permits Issued	5,061

Related Costs 1977-78 \$ 2,245,086

DIVISION OF FIRE PREVENTION AND INVESTIGATION

During the fiscal year of 1977-78, the Bureau of Fire Prevention and Public Safety operated with a reduced manpower complement due to retirements and lack of replacements.

This manpower shortage necessitated curtailment of numerous activities, among which were the public assembly and night club detail and night institutional inspections, although we were able to keep abreast of response to complaints and required permit procedures.

BUREAU OF FIRE PREVENTION

The operations of the Bureau of Fire Prevention for fiscal year 1977-1978 are reported in statistical form as follows:

Inspections and Corrections

Total number of New Inspections	-	9,951
Total number of Inspections	-	25,294
Total number of Corrections Obtained	-	23,751

Of the total number of Inspections listed above, 1,286 were Special Complaints from citizens regarding suspected fire hazards and 19 were Special Investigations of structures involved in Greater Alarms of fire.

Permit Processing

Fire Department Permits - Three hundred, forty (340) applications for Fire Department Permits were filed in this Division. Posting and filing fees collected with these applications totaled \$13,568.

Building Permits - Two thousand, three hundred and eighty-nine (2,389) alteration plans were checked and processed by Fire Inspectors assigned to the Bureau of Building Inspection.

Over 791 building plans for new construction were plan-checked by the Fire Inspector assigned to the Bureau of Building Inspection.

Additionally, 1,541 building permits were processed and forwarded to District Fire Inspectors for continuing inspection of the construction until final completion and acceptance.

Permit Processing

Occupancy Permits

Department of Public Health	604
Department of Public Works	0
Department of Social Services	338
Police Department	199
State Fire Marshal	<u>450</u>
Grand Total	1,591

Miscellaneous Reports and Communications

- (1) Seven hundred, seventy-five (775) reports from Battalion Chiefs were received concerning special building inspections and these reports were processed for investigation and abatement of violations.
- (2) One thousand, ninety-nine (1,099) Notices of Code Violations and four hundred, fifty-nine (459) Notices of Violations were issued to obtain compliance with state and local safety codes.
- (3) Numerous meetings, special tests, inspections and Fire Prevention lectures were made and attended by the officers and members of the Bureau.

Fire Prevention Corrections

Automatic Sprinkler Heads Installed	652
Automatic Sprinkler Heads Replaced	357
Automatic Sprinkler Systems Installed/Extended	128
Automatic Sprinkler Systems Repaired/Tested	1,168
Buildings Boarded Up	16
Buildings Razed	65
Egress, Additional Means Provided	27
Emergency Procedures Developed	79
Exit Doors, Installed or Altered	386
Exit Obstructions Removed	410
Fire Alarm System Installed	40
Fire Alarm Pull Boxes/Bells Tested	1,703
Fire Doors & Door Closers Installed/Repaired	1,082
Fire Escape Installed	38
Fire Escape Repaired & Drop Ladders Provided	42
Fire Escape Obstructions Removed	145
Fire Extinguishers & Extinguishing Systems Installed.	2,127
Fire Extinguishers & Extinguishing Systems Installed/Service/ed/Tested	4,757

Fire Prevention Corrections

Flammable Gas & Liquid Storage	77
Hoses & Nozzles Installed/Removed	32
Metal Bins & Covers Provided	198
Miscellaneous Fire Hazards Removed	280
Miscellaneous Corrections Obtained	1,900
Nitrous Oxide/Oxygen Installations	12
Product of Combustion Detectors Installed/ Serviced/Tested	2,452
Rubbish Conditions Removed	948
Signs & lights Installed/Replaced	4,265
Stairways, Installed or Enclosed	22
Stairways, Obstructions Removed	14
Stairways, Repaired	13
Standpipes Installed/Repaired/Altered	316
TOTAL CORRECTIONS	23,751

C.R.I.S.P. Annual Report 1977-1978

A Commercial Residential Inspection Safety Program of 52,000 buildings in San Francisco Commenced October, 1977. The purpose of the inspection program is to: classify occupancies; identify types and maintenance of fire protection systems currently installed; if internal Fire Alarm/Detection systems are installed and their operational status; any hazardous storage; identify and obtain correction of code deficiencies that exist through cooperation of owner/occupant. The C.R.I.S.P. inspection covers Commercial Industrial Buildings - Residential Buildings over three (3) units and not exceeding 75 feet height and not over 100,000 square feet. The information obtained will be entered into the Command and Control Computer for retrieval during fire emergencies and become a completed building-history file for each occupancy. Routine yearly inspections will be performed by Fire Suppression Force and also by Fire Prevention personnel to up-date computer information.

Inspection of Buildings started by Division 2 - Battalion 7, October, 1977.

Division 3 - Battalion 6, March, 1978, Division 1 - Battalion 1, May, 1978.

The remainder of Battalion District C.R.I.S.P. inspections are projected to start in Fall, 1978 - Spring, 1979.

Training of Fire Suppression supervisors was conducted in May, 1978 by C.R.I.S.P. Director Charles Radford. A total of 168 company officers attended the training sessions, held at the Division of Training.

October, 1977 - June, 1978 C.R.I.S.P. Progress totals are:

<u>INSPECTIONS</u>	<u>ENTITIES</u>	<u>VIOLATIONS</u>	<u>CORRECTIONS TO DATE</u>
977	1,386	188	153

Due to a notic able increase in the number of fires and incidents involving hazardous materials, the Department has adopted the National Fire Protection Association's Code 704, "System for the Identification of the Fire Hazards of Materials". The short title is popularly referred to as, "The 704 System".

A Hazardous Chemical and Materials assignment was established. This function will control the movement and use of such materials in the City and County of San Francisco, materials such as acids, caustic substances, radioactive material, certain liquids, solids and gases in regard to the health and safety of human beings, as well as insure protection of the fire fighters who might have to control any catastrophe that might occur.

California Administrative Code - State Retro-Active High Rise, Senate Bill 941, was fully inaugurated in July of 1977 with the appointment of two additional H-4 Inspectors. To date, a total number of 422 high rise inspections have been made to have such buildings meet the compliance date of April 26, 1979.

A night Public Assembly detail was re-instated in the Bureau of Fire Prevention July 2, 1977, due to the number of H-4 inspectors, bringing the Bureau of Fire Prevention to near full complement. Also, a Battalion Chiefs Public Assembly Program was inaugurated to help up-date public assembly files to have the information available for computer print-out. The number of inspections in both of these programs totaled 2,512 inspections.

After the tragic fire at the St. Francis Yacht Club on December 20, 1976, in which three persons died due to a Christmas tree accelerating the holocaust, a proposal and ordinance to control the placement of Christmas trees and related decorations in public assembly areas was presented to the City Attorney, approved and adopted. It amended Part II, Chapter IV (Fire Code), San Francisco Municipal Code, by adding Article 27 thereto.

Fourteen (14) Bureau of Fire Prevention officers and inspectors attended and completed the Police Officers' Standard Training Course #832. This course enabled these men to achieve peace officer status for the performance of their assigned duties.

Also, six Bureau of Fire Prevention officers and inspectors attended and completed a Fire Safety Directors course, relating mainly to high-rise buildings.

A fire sprinkler course was attended and completed by 16 officers and inspectors.

Public Education
National Fire Prevention Week

National Fire Prevention Week, emphasizing fire safety rules for the public, was observed from October 3rd through October 9th, 1977.

As a part of Fire Prevention Week, a program promoting multi-lingual fire prevention pamphlets was carried out by members of the Fire Prevention Bureau, working with members of the Chinese and Spanish speaking communities.

The local radio and television stations were most cooperative in providing generous coverage of Fire Prevention Week. Several public service announcements concerning fire safety were taped and broadcast by radio stations, which donated time to convey our messages to the public.

Most destructive fires are caused by careless actions of people, largely through lack of concern and ignorance of hazards. Many fires caused by faulty equipment rather than carelessness could be prevented if people were trained to spot the faults before it was too late. Many injuries and deaths could be prevented if people knew how to react to a fire, whatever its cause.

With this thought in mind, Chief of Department Andrew C. Casper increased special efforts to visit both public and private elementary schools in the city, as well as, senior citizens' centers, church groups, hospitals, mental health centers, community centers, high-rise buildings and neighborhood associations.

During the fiscal year, July 1, 1977 to June 30, 1978, the Fire Prevention Bureau conducted in-service training sessions to staffs of medical facilities. In addition, 70 presentations were given to over 9,250 people concerning fire prevention and public safety.

PORT FIRE MARSHAL

SAN FRANCISCO PORT COMMISSION

This report summarizes in brief the operations and associated activities of the Port Fire Marshal during the subject fiscal year.

The basic function of the Port Fire Marshal is to maintain an active, functional fire prevention program which includes: inspecting, regulating and controlling quantities plus storage of hazardous cargo; inspecting the job-site and issuing welding, burning and fumigation permits; enforcing the Fire Code; abating violations and reviewing plans for alterations and/or of new construction to ensure compliance with applicable codes and regulations.

Approximately twenty-six (26) welding and burning permits are issued to contractors on a monthly renewal basis for utility and general maintenance purposes. Additional permits and certificates are issued that receive on-site inspections. These permits involve welding and burning on ships or vessels, hazardous cargo and fumigations totaling 569 permits for the fiscal year.

During the fiscal year, combustible super-structures were removed from Piers 3, 34, 39 and 41. Pier 23 was established as the FOREIGN TRADE ZONE and provided with an automatic sprinkler system. Piers 15, 17 and 19 are scheduled to be sprinklered by tenants in the near future.

Construction started on August 9, 1977 on the first major non-maritime development in the history of the Port of San Francisco. The NORTH POINT PIER, a 27 acre complex of 22 restaurants, over 100 shops and retail stores, small boat marinas, 1,000 car garage and a 5.2 acre park on and surrounding Pier 39 on the north water-front near Fisherman's Wharf, is scheduled for opening during October, 1978.

The Port Fire Marshal functions as liaison officer between the Fire Department, the Port Commission, ship owners, repair companies and transit companies in matters of fire prevention, fire suppression and related conditions. This responsibility requires research, investigation, interviews and meetings which are not summarized herein. These matters function continuously with the recorded operations in coordinating the fire control program.

BUREAU OF FIRE INVESTIGATION

The Bureau of Fire Investigation was increased by one investigator during the last fiscal year. This was the first increase in the Bureau since it was established in 1941. Incendiary fires have increased from 66 in the 1963/64 fiscal year to 570 in the fiscal year of 1977-78. This overwhelming increase in arson, coupled with the routine investigations and duties attendant to Bureau functions, has resulted in a prodigious workload. The proposed increase of one more investigator for the fiscal year 1978/79 has been deleted from the budget.

During the year, all members of the Bureau completed Peace Officer Standards Training Course 832 to comply with the California Penal Code, Section 830.3m relative to the powers of arrest and the right to carry weapons and restraint equipment.

On June 14, 1978, Mayor George R. Moscone, at the request of Chief of Department Andrew C. Casper, proclaimed a reward offer of \$1,000 for information leading to the arrest and conviction of the arsonist(s) of the Guadalupe school fire of April 12, 1977.

Field Activities:

1. Investigations of Fires

Special Investigations	901
Follow-up Investigations	1,493
Incendiary Origin	570
Greater Alarms	93
Burn Cases	69
Deaths	31

2. Arrests and Dispositions

Felonies:

Arrests	33
Convictions	19
Cases Pending (As of June 30, 1978)	11
Acquittals	8
Dismissed/Reduced	6

Misdemeanors

Arrests	40
Convictions	39
Cases Pending (As of June 30, 1978)	2
Acquittals	1
Citations	2

Juveniles

Cases held under Juvenile Jurisdiction	26
Not Cited	19

3. Court Appearances and Testimony	58
4. Special Complaints Referred From Fire Prevention	
Investigations	13
Follow-up Investigations	3

Office Activities:

\$2,859.50 was collected and deposited in the General Fund for the processing and sale of copies of Fire Reports to insurance companies and other interested parties.

ARSON TASK FORCE

The Arson Task Force developed by the San Francisco Fire Department was officially instituted by Mayor George R. Moscone on October 12, 1977. The working make-up includes Fire Department Arson Investigators, a Police Inspector detailed full-time from the San Francisco Police Department, and a part-time Assistant District Attorney.

The Arson Task Force includes much private sector involvement, including the insurance industry, the Chamber of Commerce, the news media, and many concerned community organizations.

Input is received from public agencies including Federal, State and local agencies as well as Project S.A.F.E. and the Mayor's Office.

Private sector involvement not only has included time and expertise, but financial aid as well. This has brought about an increase in the resources and capabilities of the Task Force. An Arson "Hot-Line" is now available on a 24-hour basis to aid in information development from the public; specialized investigation devices have been donated; and an extensive public awareness program is underway through free media time, including a two-part one-hour "Arson Squad" documentary, billboard space donated by Foster & Kleiser Advertising Company, and an illustrated brochure developed by Fireman's Fund Insurance Company as a public service with 150,000 already distributed throughout the city. Also, a monthly newsletter titled "Arson Update" is being published. In the near future, the public awareness program will become bilingual as well.

To call further attention to the arson problem and our program, a number of specially marked automobiles with an Arson Task Force decal affixed to each side patrol the city.

During the first nine months of operation, the Arson Task Force has had a large measure of success. Arson's accelerated rise has been slowed, and the arrest and conviction rate has gone up.

LIAISON

Law Enforcement:

Project "Arson Detection and Identification" has been a city-funded system since January 1, 1977. The electronic and micrographic equipment in the Bureau of Fire Investigation is in daily use by the investigators and staff personnel.

The five stages in operation are as follows:

1. Micrographics: Field Fire Reports have been transferred to stored rolls of microfilm (January 1, 1970 to december 31, 1976). Fire Investigation Reports have been microfilmed from January 1, 1968 through December 31, 1976.
2. Criminal Justice Information System: Rapid recovery of necessary information is obtained through two CRT's and a teleprinter. Information is available to fire investigation personnel from other on-line law enforcement agencies. The agencies most addressed are CABLE (Computer Assisted Bay Area Law Enforcement), PIN (Police Information Network), CLETS (California Law Enforcement Telecommunication System) and NCIC (National Criminal Information Center).
3. San Francisco Arson Information: Fire Investigation reports are now being entered and retrieved from the "CABLE" computer.
4. Comfiche: As reports are entered the narrative portion is captured by the computer programming and a Comfiche is made of the entire Fire Investigation report. Review of the Comfiche can be made on any of three "Readers" of the "Reader/Printer". Two Readers (Microlite) are portable and assigned to Car 100. They can be used with normal household current or can be activated by means of their automobile cigarette lighter attachment.

5. Statistical Capture: After Fire Investigation reports are entered, the individual element entries can be recaptured resulting in a hardcopy printout of required statistics. Printouts will be designed for monthly, calendar year and fiscal year reports.

The California Department of Justice has approved preliminary security plans for Arson Night Quarters, Station 36. When construction has been completed at this site, CRT ARS 1 will be relocated there for use by the investigators.

Proposed New Programs:

Current new proposed programs are to add query outputs of victims and witnesses. This will enable investigators to identify by name persons who repeatedly appear at fire scenes.

DIVISION
OF
PLANNING AND RESEARCH



DIVISION OF PLANNING AND RESEARCH

- . Administers the repair, purchase and disposal of real property
- . Prepares Capital Improvement Program
- . Responsible for Bond Issues relative to fire station construction and repair
- . Serves on Inter-departmental Staff Committees on Traffic and Transportation
- . Administers Computer Program
- . Responsible for Ashbury and Jones Street Tank and supervises Bureau of Engineering and Water Supply (including 2 Pumping Stations)

1 - H50 Assistant Chief	P
1 - 1444 Clerk Stenographer	P
1 - 1422 Jr. Clerk Typist	CETA

BUREAU OF WATER SUPPLY
AND ENGINEERING

- . Responsible for maintenance, operation, repair, and planning in connection with Auxiliary Water Supply System
- . Maintains 7,776 low pressure hydrants, 1383 high pressure hydrants, and 150 street cisterns
- . Consults with Fire Department and other City agencies on engineering problems
- . Supervises 2 Pumping Stations

1	5258 Sr. Mechanical Engineer	P
1	7230 Water Sys. Supervisor I	P
1	7323 Water Sys. Asst. Supervisor I	P
12	7388 Utility Plumber	P
2	7514 General Laborer	P
2	7205 Chief Stationary Engineer	P
9	7334 Stationary Engineer	P

Program Outputs:1977-78

A. Hydrants Serviced/Repaired	.....	6,787
B. High Pressure Gates Operated	.....	254
C. Standpipes Serviced	.....	121
D. Standpipes Tested	.....	41

Related Costs 1977-78 \$ 1,153,105

DIVISION OF PLANNING AND RESEARCH

The Division of Planning and Research performs many roles in support of the operating forces including, but not limited to, station construction, station maintenance, Overseer of the High Pressure System, Consultant to developers of new construction regarding fire flow requirements, hydrant installation, Bond Issue initiation and subsequent administration, station furniture procurement and distribution and Fire Department representation concerning street pattern changes and accessibility.

Construction Program

Station 42 - 2430 San Bruno Avenue. Demolition of the original station, which had been constructed in 1912, occurred on October 17, 1977. Actual construction of the new station was started on November 7, 1977. Completion of the project is scheduled for October, 1978. Funding for this project is provided by the November, 1974 Improvement Bond.

Other Stations included in the 1974 Bond are:

Station 25 - 3305 3rd Street	-	Remodeling completed March 25, 1977.
Station 24 - 100 Hoffman Avenue	-	To be remodeled.
Station 8 - 36 Bluxome Street	-	To be remodeled.
Station 27 - 356 7th Street	-	To be remodeled.
Station 34 - 499 41st Avenue	-	To be remodeled.
Station 37 - 798 Wisconsin Street	-	To be remodeled.
Station 40 - 2155 18th Avenue	-	To be remodeled.
Station 44 - 1298 Gerard Street	-	To be remodeled.

Fireboat Quarters - Pier 22½	-	To be reconstructed.
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Station Maintenance

Upkeep of stations and minor alterations are performed on a schedule based on assigned priority and as permitted by budgeted funds of the Bureau of Building Repair. In fiscal 1977-78, 1,255 building repair requests were processed by the Division.

New Fireboat

Successful passage of a Fire Department Improvement Bond in November, 1977 provided funds to design and construct a modern high speed fireboat to replace the existing fireboat Phoenix. A Request for Proposal for the services of a naval architect to act as designer and consultant was issued on June 6, 1978. Present scheduling calls for an agreement for consulting services to be signed by August 31, 1978 and fireboat design to be completed by December 18, 1978. It is anticipated that construction of the new fireboat will be completed eighteen months after completion of design and award of construction contract.

BUREAU OF ENGINEERING AND WATER
SUPPLY

This Bureau, under the direction of a Senior Mechanical Engineer (Water Supply Superintendent), is responsible for the engineering and maintenance of the Auxiliary Water Supply System (High Pressure System), the maintenance of the hydrants connected to the domestic water supply system, the maintenance of Fire Department cisterns, the maintenance of standpipes on public and private buildings and for day-to-day professional engineering assistance as needed by the department.

During the past year, due to additions to the Auxiliary Water Supply System and changes in the city streets pattern, 9 new high pressure hydrants were installed and 1 was relocated. Currently, there are 1,413 high pressure hydrants in service.

During this same period 16 low pressure hydrants have been installed and 53 relocated. There are now 7,771 Fire Department hydrants and 220 private hydrants in service on the domestic supply.

There are 150 cisterns located throughout the city for emergency water supply; the majority of the cisterns contain 75,000 gallons of water each and are kept filled by the Bureau personnel.

Dry standpipes on buildings are tested by the Bureau before acceptance and after alterations or repair and are periodically serviced. In the fiscal year 1977-78, 20 new standpipes were placed in service, 4 permanently removed and 2 repaired or altered. Records show 2,653 standpipes in service.

In February the motorized valve system was placed into service. This system permits the attendant at the Jones Street Tank to open and close any of ten control valves in the A.W.S.S. piping to eight of the infirm areas located in the lower zone, thus improving water pressure and flow to those areas when required during greater alarm fires.

A number of changes in personnel occurred at the management and supervisory level at the beginning of the year. Mr. Eugene E. Andersen was appointed superintendent of the bureau replacing Mr. Gilbert Bendix who transferred to the Water Department.

DIVISION
OF
TRAINING



DIVISION OF TRAINING	
<ul style="list-style-type: none"> . Conducts probationary and in-service evaluations for all uniformed personnel . Conducts individual and special evaluations as required. . Administers special courses and seminars to uniformed personnel. . Conducts fire simulator training and Battalion operational drills . Prepares and maintains training manuals. 	
1 - H50 Assistant Chief	P
1 - H30 Captain	P
2 - H20 Lieutenant	P
1 - 1426 Senior Clerk Typist	P

Program Outputs:1977-78

A. Individual Evaluations - Company Officers & Firefighters	1,111
B. Probationary Firefighter Training	22,784
C. Special Courses (All Personnel)	2,132
D. Battalion Operational Drills	0
E. Fire Simulator Training (Officers-Ch./C. & OA)	120

Related Costs 1977-78 \$ 254,519

DIVISION OF TRAINING

During fiscal year 1977-1978, the Division of Training continued its function as the directional center of instruction for the Department.

Training during the year focused on the following:

1. Individual Evaluations
2. Instructional Sessions
3. Fire Simulator Command
4. Probationary Training

Individual Evaluations involve members performing a number of evolutions at the training center. The evolutions have been published in a Drill Manual which was distributed to all stations. This concept of training places responsibility on the individual as well as the company officer. Written evaluations are made by Division of Training personnel and are posted to the individuals' records. Reports of poor performances are sent to company commanders and re-testing is scheduled.

Instructional Sessions involve direct training of personnel by Fire College staff officers or specialists from either the field or outside the department. These sessions included use of new tools or appliances prior to their being put in service, seminars on the hazards of natural gas, Instructor Training I, litter control and the C.R.I.S.P. program.

Fire Simulator Command training involves Chiefs, Company Officers and Operators dealing with the fire ground problems, realistically simulated through the use of projectors and sound equipment. The purpose of these simulated fire situations is to help develop better communications, coordination and procedures during all stages of fire emergencies. The application of the simulator is not limited, however, to fire extinguishment. It can be used to pre-plan fires in specific buildings, critique past fires and to indoctrinate probationary fire fighters to our department's fire fighting strategy.

Probationary Training consists of a six-week course. The course was conducted for five groups totalling 95 probationary fire fighters. Of the 95 new men appointed during the fiscal year 1977-1978, one was terminated and two resigned.

Training Manual Program

The Division of Training has the responsibility of compiling, up-dating, publishing and distributing the Department's training manuals. During fiscal year 1977-1978, the Manual of High-Rise Procedures was completed and distributed throughout the Department.

Additional responsibilities of the Division of Training include: co-operating with Civil Service in conducting the H-2 entrance agility test; assisting the Airport Division in its specialized training; aiding the Bureau of Equipment and Bureau of Engineering and Water Supplies in the testing of new equipment; budgeting, ordering and dispensing protective clothing for the fire fighting forces; assisting in the licensing of department drivers; processing identification cards; planning, researching, testing and evaluating drill evolutions, training courses and the instructional needs of the Department.

The Total Man Hours of training during fiscal year 1977-1978 involving individual evaluations, instructional sessions, fire simulator command and probationary training equaled 26,147.

Physical Fitness Program

A new physical fitness program has been proposed for San Francisco fire fighters.

This program will replace the present physical fitness program and be more specifically adapted to the requirements of fire fighting. Aside from monitoring personnel in a better condition, this program will become a measure to avoid future disabilities.

The program will be under the supervision of Y.M.C.A. personnel who have experience in this field. They will train firefighters to become supervisors of this activity.

A committee consisting of representatives of the firefighters' union, administration and several physician specialists have met on frequent occasions to define a specific program.

BUREAU
OF
EQUIPMENT



BUREAU OF EQUIPMENT		
<ul style="list-style-type: none"> . Maintains, inspects, establishes and enforces procedures for the care and operation of 224 trucks, pumpers and cars. . Performs emergency field repairs. . Performs firefighting and maintenance duties at major alarms of fires. . Conducts tests and evaluations for fire apparatus and prepares specifications therefor. 		
1	- H30 Captain	P
8	- H2 Firefighter	P
1	- 1424 Clerk Typist	CETA

Program Outputs:1977-78

A. Repairs to Apparatus and Tools, Ex-		
tinguishers Refilled & Pump Tests	.....	1,640
B. Major Alarms Responded To	.....	92
C. Driver Evaluations	.....	75
D. Miscellaneous services including other		
. Departments	.....	1,486

Related Costs 1977-78 \$ 314,122

BUREAU OF EQUIPMENT

The Bureau of Equipment, under the supervision of the Secretary to the Chief, is staffed with one captain and eight fire fighters and is responsible for maintenance, lubrication and inspection of all apparatus. The Bureau is also responsible for procedures pertaining to the care and operation of all apparatus and equipment in the Fire Department.

During the fiscal year 1977-78, the Bureau recorded more than 18,000 requests for equipment repairs, oxygen supplies, extinguisher exchanges and other services. Approximately seventy-five (75) per cent required additional calls to other departments for processing.

During the past year, the Bureau has continued its driver evaluation and operational program. In order to keep pace with new equipment, the Bureau also conducts spot checks on driving habits of regular and relief drivers.

The Bureau conducts Annual Pump Tests and participates in high pressure tests; assists the Division of Training and the Division of Planning and Research on special projects; evaluates suggestions submitted by the Advisory Board; attends Oral Board and pump operator evaluation tests for neighboring communities.

The Bureau responds to all greater alarms and accidents involving Fire Department equipment and provides firefighting services both directly or with special apparatus, operating them at the scene of the fire. The Bureau also provides emergency tow service for other city departments when requested.

Hose Complement

Contained in the following chart is the hose complement of the department, excluding short utility lengths, soft suctions, hydrant jumper lengths, circulator, multi-versal and house lengths. The maintaining of this record is the responsibility of the Bureau of Equipment.

S.F.F.D. Hose Complement to June 30, 1978

	<u>3"</u>	<u>2-3/4"</u>	<u>1 1/2"</u>
10 years or less	100%	64.75%	95.71%
11 to 15 years	0%	31.93%	3.22%
Over 15 years	0%	3.32%	1.07%
Total/Footage	<u>100%</u>	<u>100</u>	<u>100</u>
	66,900	73,750	60,600

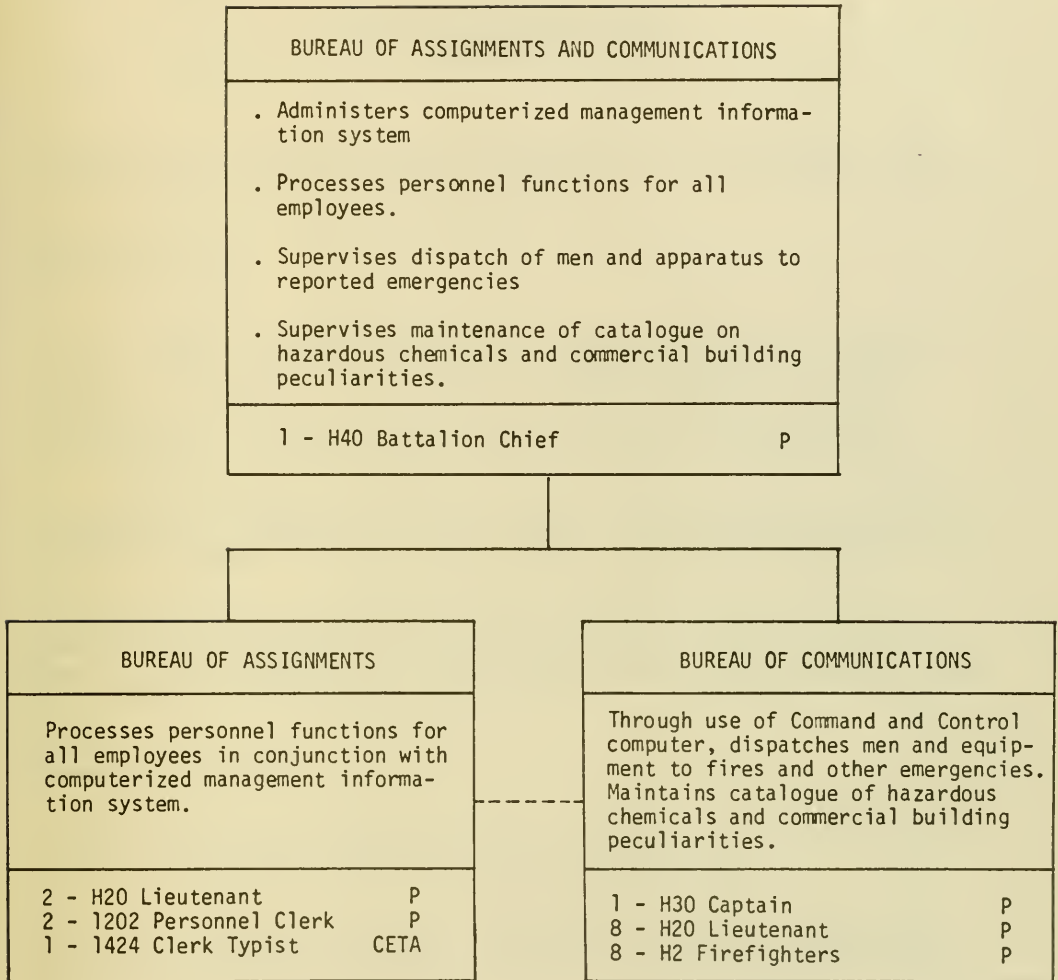
Total footage in Hose Complement
201,250 feet

Apparatus StatusIn
ServiceIn
Reserve

1,000 GPM Combination pumpers, Triple Combo -----	2	14
1,000 GPM Combination pumpers, Triple, (Diesel) --	0	2
1,000 GPM Combination pumpers, Triple, (C.D.) ----	0	1
1,250 GPM Combination pumpers, Triple, (Diesel) --	23	0
1,250 GPM Combination pumpers, Triple -----	12	0
1,500 GPM Combination pumpers, Triple, (Diesel) --	7	0
50 GPM Combination Mini pumpers -----	4	0
Aerial Ladders - 100 foot - (Diesel) -----	14	0
Aerial Ladders - 100 foot -----	5	6
Aerial Ladders - 92 foot - (Diesel) -----	0	1
Aerial Ladders - 85 foot - (Diesel) -----	0	1
Snorkel - 85 foot - (Diesel) -----	1	0
Air Compressor -----	0	1
Automobiles - Chiefs' -----	15	6
Automobiles - Staff -----	31	5
Mini Buses -----	3	0
Coffee Unit -----	0	1
Fireboat -----	1	0
Foam Unit -----	0	1
Diesel Fuel Unit -----	0	1
Gasoline Fuel Unit -----	0	1
Attack Hose Tenders -----	3	0
Hose Tenders -----	0	3
Hydrant Trucks -----	8	0
Hydrant Trucks, (Valve Units) -----	14	0
Pipe Dolly, (C.D.) -----	0	1
Pipe Trailer Unit, (C.D.) -----	0	1
Portable Compressor, 2-Wheel Unit Trailer -----	1	0
Rescue Trucks -----	2	1
Cliff Rescue Truck -----	1	0
Salvage Trucks -----	0	2
Utility Unit -----	0	1
Pollution Control Unit -----	0	1
Searchlight Engine -----	1	0
Service Squads -----	2	0
Tow Truck -----	1	0
Tractors, Aerial (Relief) -----	0	0
Trucks, Delivery -----	2	2
Valve Unit -----	1	0
Water Rescue Unit -----	0	1

BUREAU OF
ASSIGNMENT & COMMUNICATIONS



Program Outputs:1977-78

A. Assignments and Details	8,444
B. Assignments, WDO and LWLP	15,485
C. Personnel Transactions Processed	40,088
D. Command and Control Dispatches	33,078
E. Major Alarms	92

Related Costs 1977-78 \$ 834,970

BUREAU OF ASSIGNMENTS AND COMMUNICATIONS

These two centers serve as the "nerve centers" of the department. The Personnel Center controls movement of personnel and the Communications Center controls movement of apparatus and equipment.

Personnel Center

All areas of personnel administration are administered by the Personnel Center. These areas include maintenance of individual personnel records, vacation scheduling and record keeping, constant monitoring of company strengths and assignment of personnel as required, the hiring of overtime as determined by the compilation of Division strength reports and the administration of all out-of-classification assignments on a daily basis.

Beginning in March of 1978, the Personnel Center began its long awaited conversion to a computerized personnel system. The computer system is in its infancy and hopefully will be in full operation during the coming year.

By utilizing the computer system at the Dispatch Center, vacation selection was, for the first time, fully automated for the 1978 selections. This resulted in a more equitable distribution of vacations throughout the year. The 1979 scheduling will surely benefit by the experience gained in the first attempt at this new process.

Communications Center

This center has a threefold function. It serves as a Dispatch Center, a Radio Communications Center and as an Information Center.

On duty personnel receive all incoming emergency calls, evaluate them and make the necessary assignment of apparatus and equipment. Many program up-dates were made to the computerized dispatching system during the year and the full utilization of all its capabilities is now within reach.

The Information Center serves as a storehouse of information that field officers may use to obtain information on hazardous chemicals, dangerous materials or anything that might assist the field officer in handling an unusual situation.

COMMAND AND CONTROL SYSTEM

The Command and Control System is comprised of two sub-systems, the Computer Assisted Dispatch (CAD) System and the Management Information System (MIS).

The CAD System has been in service on a full-time basis since November 8, 1976 and has proven to be highly successful and reliable. System down-time has totaled only eleven (11) hours and twenty-five (25) minutes for the entire fiscal year. Much of the reason for this minimal down-time can be attributed to system redundancy with the stand-by computer handling the dispatch function should the primary computer fail.

Drill time in the manual mode configuration totaled forty-six (46) hours and ten (10) minutes.

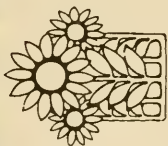
Incident statistics for both fire and non-fire have been reported out of the system since July 1, 1977. Regularly scheduled output reports include a daily summary of the previous twenty-four (24) hours' incident activity as well as six monthly reports showing department totals and a breakdown of battalion district activity. Fire incident information is forwarded to the State Fire Marshal on a monthly basis in conjunction with the CFIRS program. Random statistics are extracted from the system on an as-needed basis.

The original contract providing for the installation of the CAD system was modified effective July 1, 1977 to provide for development of the Management Information System which had been in the planning stage for several months. Funding for this modification is provided by the 1974 Improvement Bond.

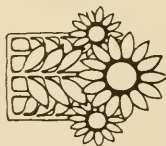
Several tasks will be undertaken in the development of the Management Information System. Assistance was given to the Bureau of Fire Prevention in development of the CRISP program and computerization of the Personnel Center is well underway. The 1978 vacation scheduling was processed by the computer for the first time and marked the first of many computer transactions planned for the future in the field of personnel.

Hardware and software modification of the basic system began on January 30, 1978 and was completed on March 24, 1978. More memory was added to both computers, two RP06 disk drives replaced the three RP03 drives that were part of the original configuration, three high speed printers and a total of five CRTs were installed in the Personnel Center, Bureau of Fire Investigation and the Communications Center.

It is anticipated that the Personnel Center system will be completed in the fall.



In Memoriam



Lieutenant - Active

Joseph Elson

May 26, 1978

Firefighter - Active

John J. Kennedy

November 30, 1977

I will pass this way but once
If there's any good that I can do
Let me do it now
For I'll never pass this way again.
I will see this day but once
If there's any kindness I can show
Let me show it now
For I'll never see this day again.
Tomorrow may be too late my friend
To do all the good that you planned
So reach out for those who need you
And lend them a helping hand.
I will know this world but once
If there's any love that I can give
Oh Lord . . . please show me how
For I'll never know this world
I'll never see this day
I'll never pass this way again!

